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Martini

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(54) **APPARATUS FOR CARRYING PRODUCTION SOUND MIXING COMPONENTS**

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(72) Inventor: **Kenneth Martini**, Sonoma, CA (US)

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US 2021/0401143 A1 Dec. 30, 2021

Related U.S. Application Data

(63) Continuation-in-part of application No. PCT/US2020/057524, filed on Oct. 27, 2020, which is a continuation-in-part of application No. 16/913,325, filed on Jun. 26, 2020.

(51) **Int. Cl.**

A45C 13/02	(2006.01)
A45C 11/00	(2006.01)
H04H 60/05	(2008.01)

(52) **U.S. Cl.**

CPC ***A45C 13/02*** (2013.01); ***A45C 11/00*** (2013.01); ***H04H 60/05*** (2013.01)

(58) **Field of Classification Search**

CPC ... A45C 13/02; A45C 11/00; A45C 2013/025; H04H 60/05

See application file for complete search history.

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(57) **ABSTRACT**

An apparatus for carrying sound production components includes a frame with a plurality of vertically interspaced mounting structures, which are vertically adjustable. Each of the vertically interspaced mounting structures releasably engage with a plurality of sound production components. A folding surface with at least one attached wing is pivotably mounted to a top of the frame, such that the folding surface and the at least one attached wing can releasably engage with at least one of the plurality of sound production components. A bag receives the frame in a folded configuration and encloses the frame and the plurality of sound production components.

28 Claims, 17 Drawing Sheets

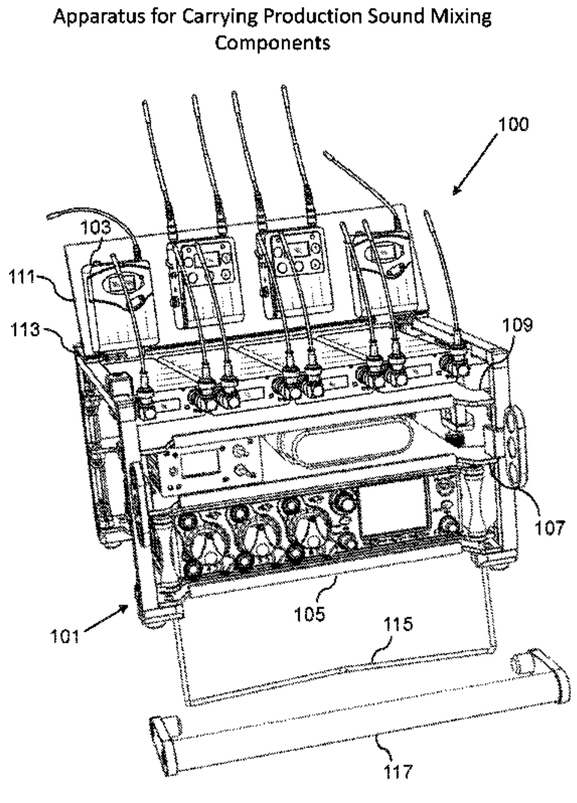

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FIG. 1

Apparatus for Carrying Production Sound Mixing Components

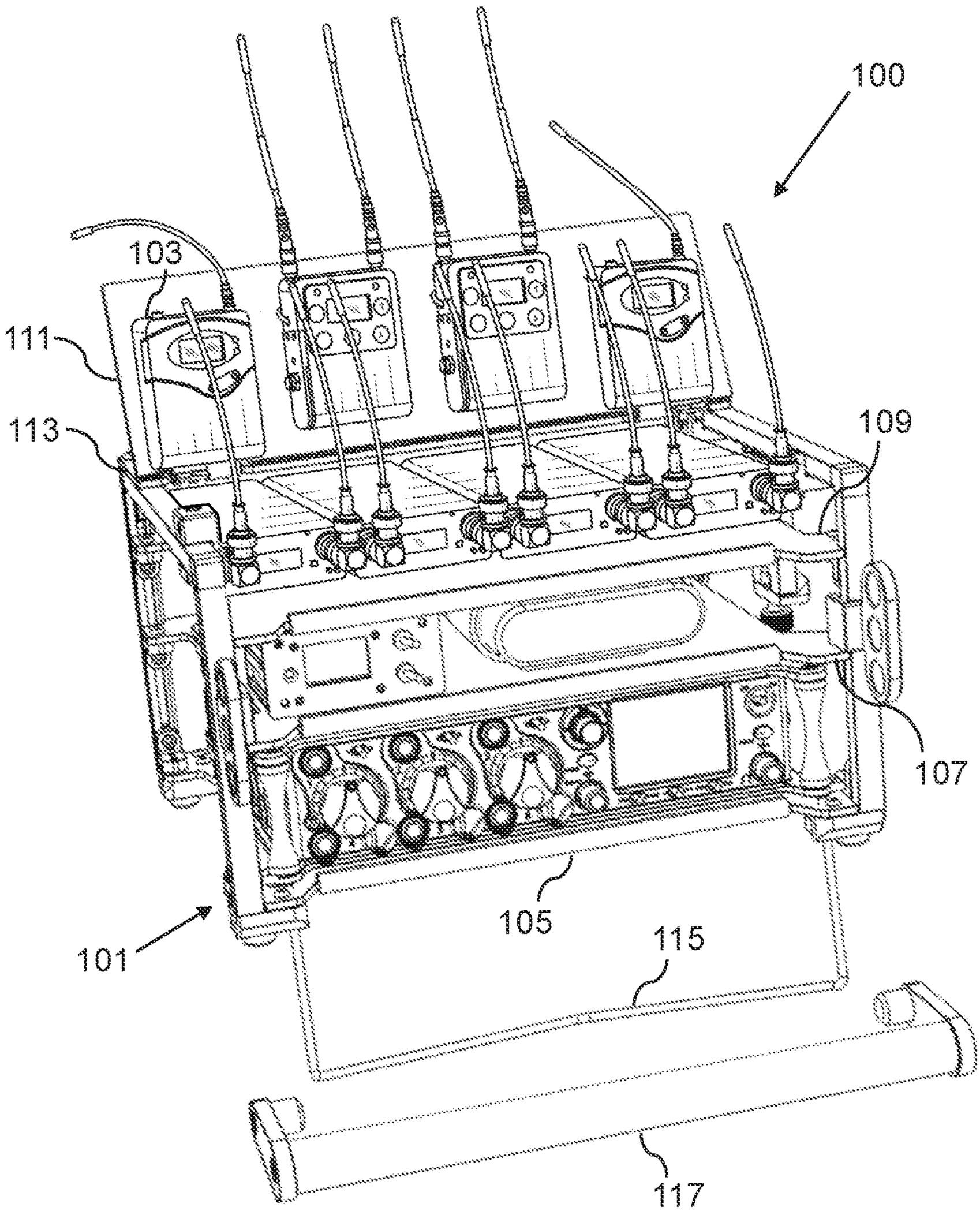

FIG. 2A

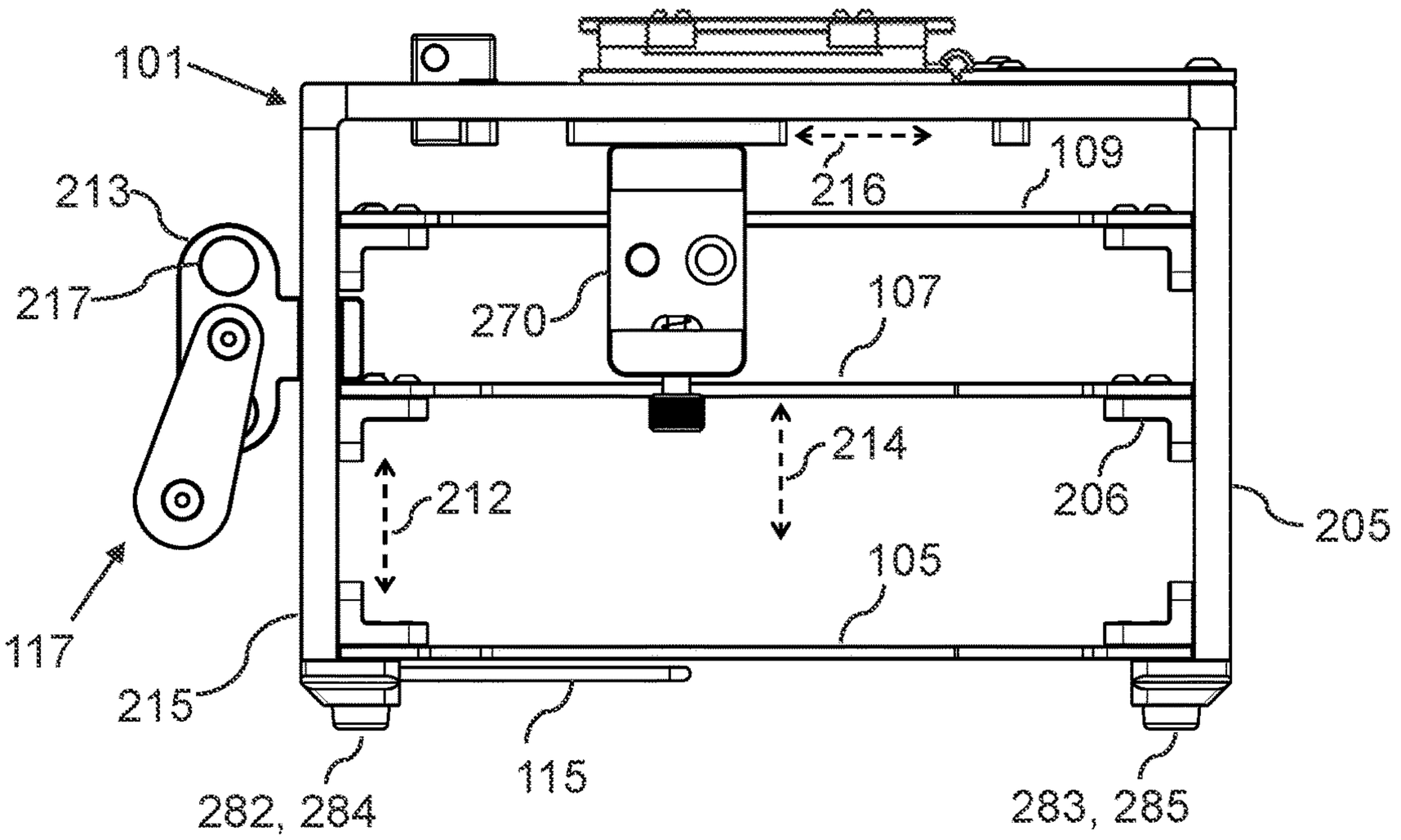
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FIG. 2B

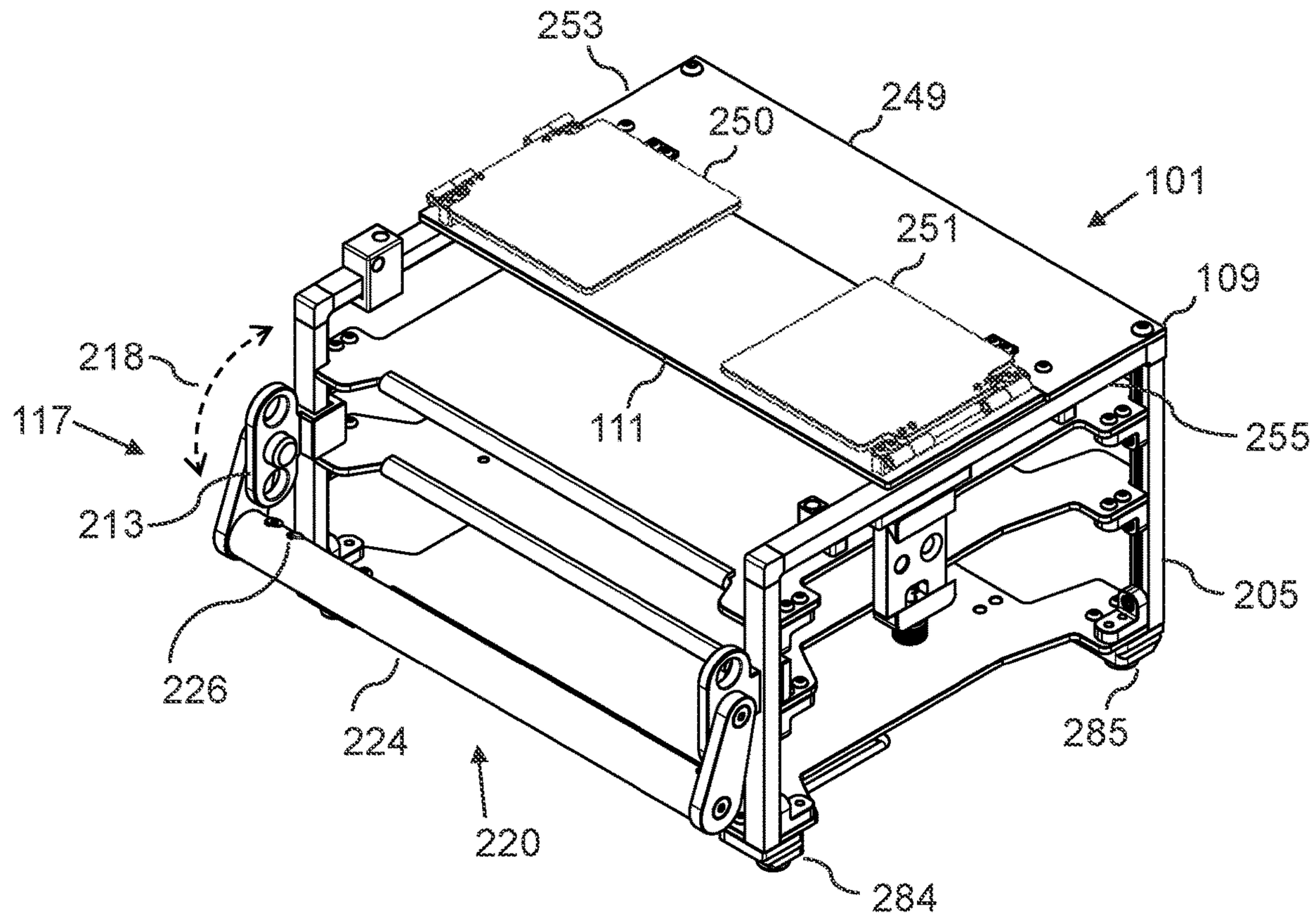
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FIG. 2C

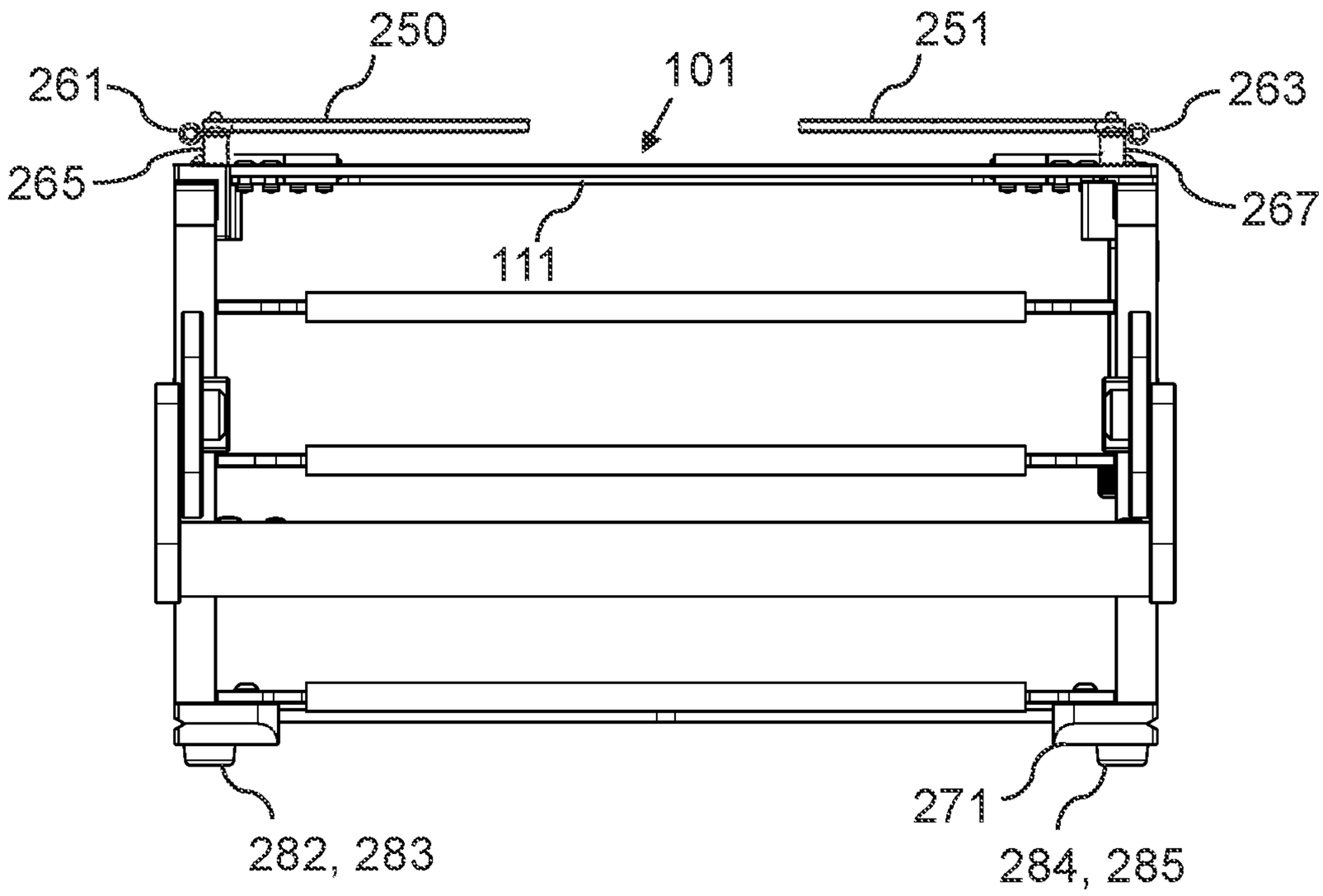
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FIG. 2D

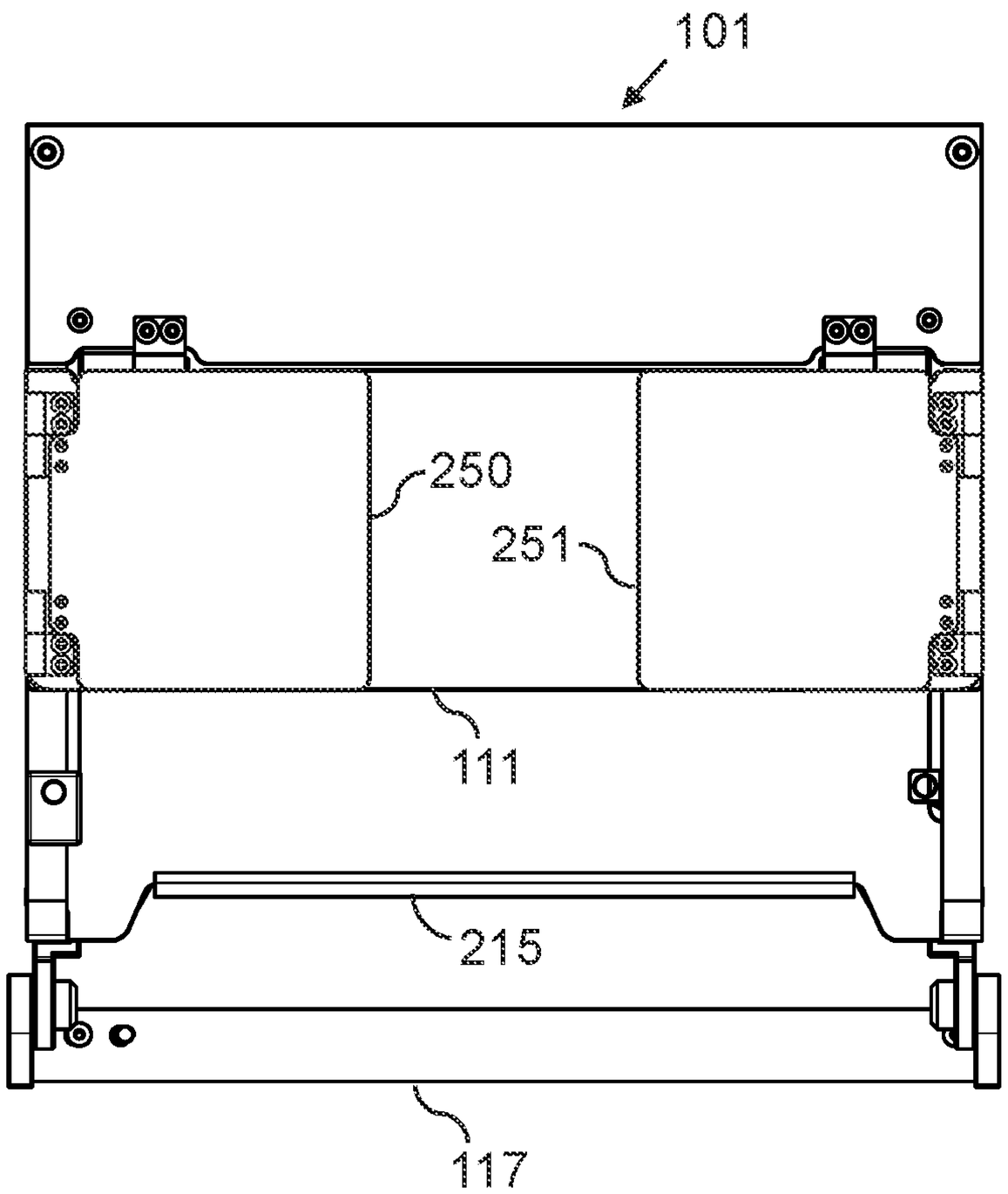
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FIG. 3

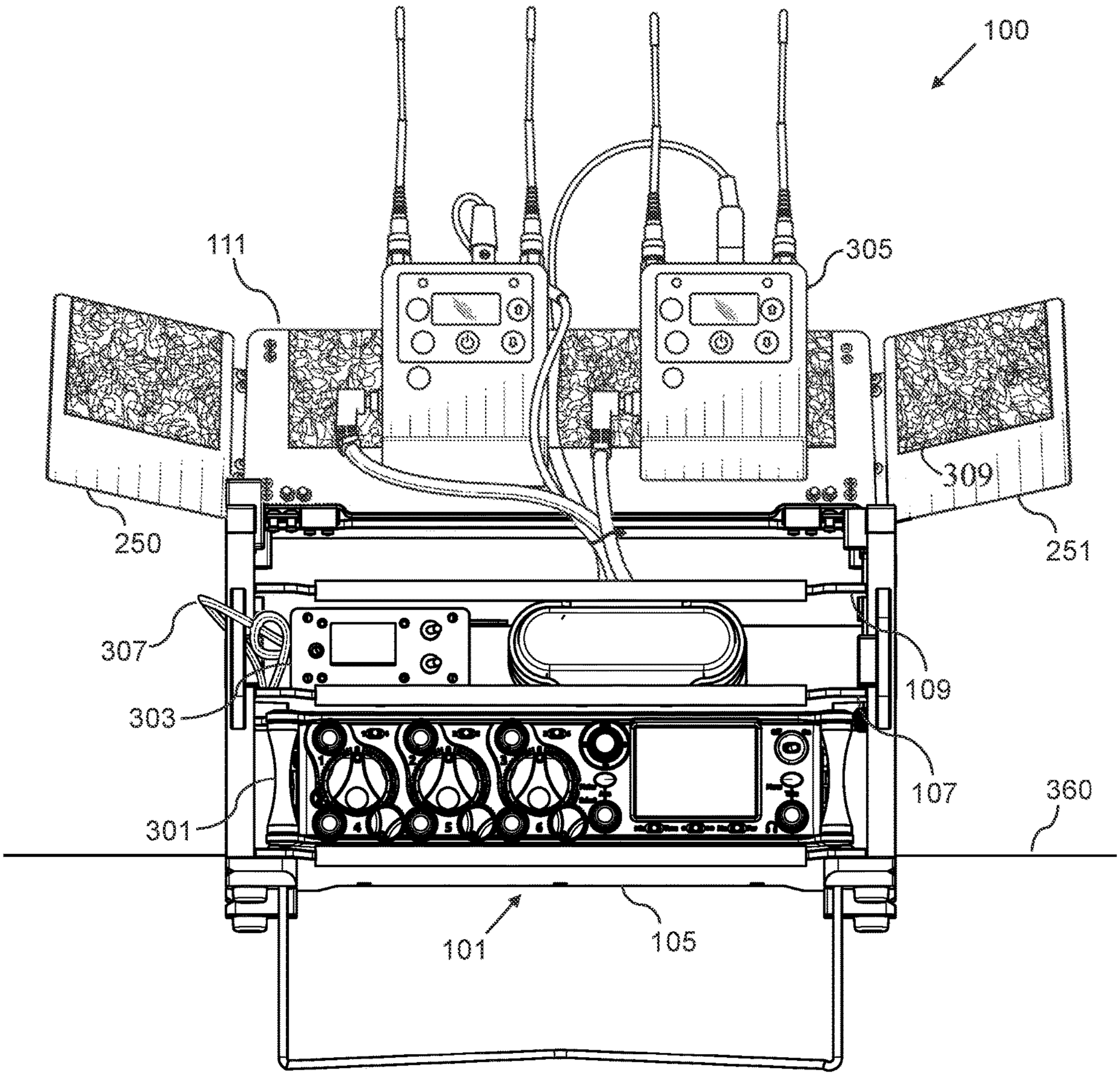

FIG. 4A

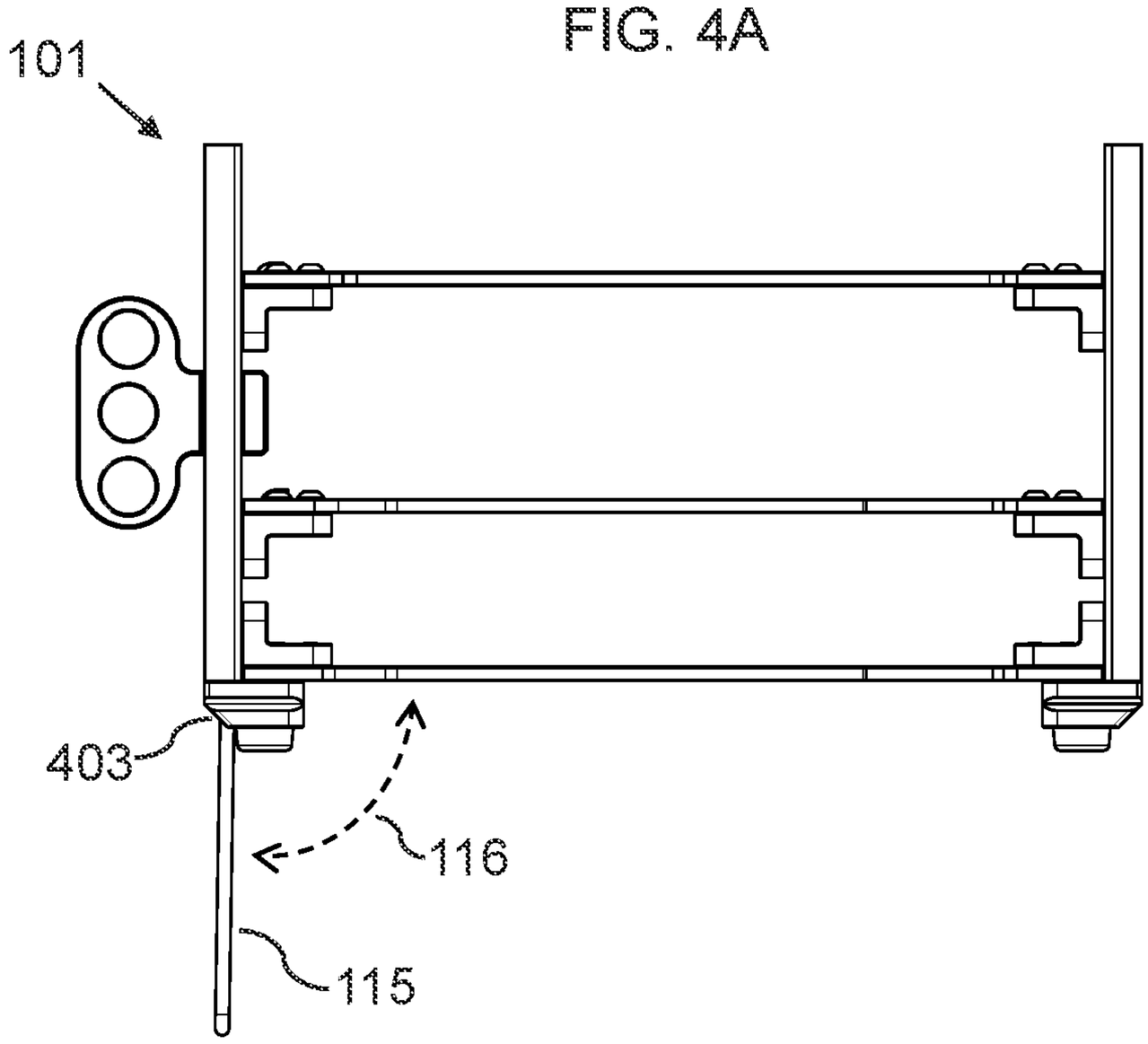

FIG. 4B

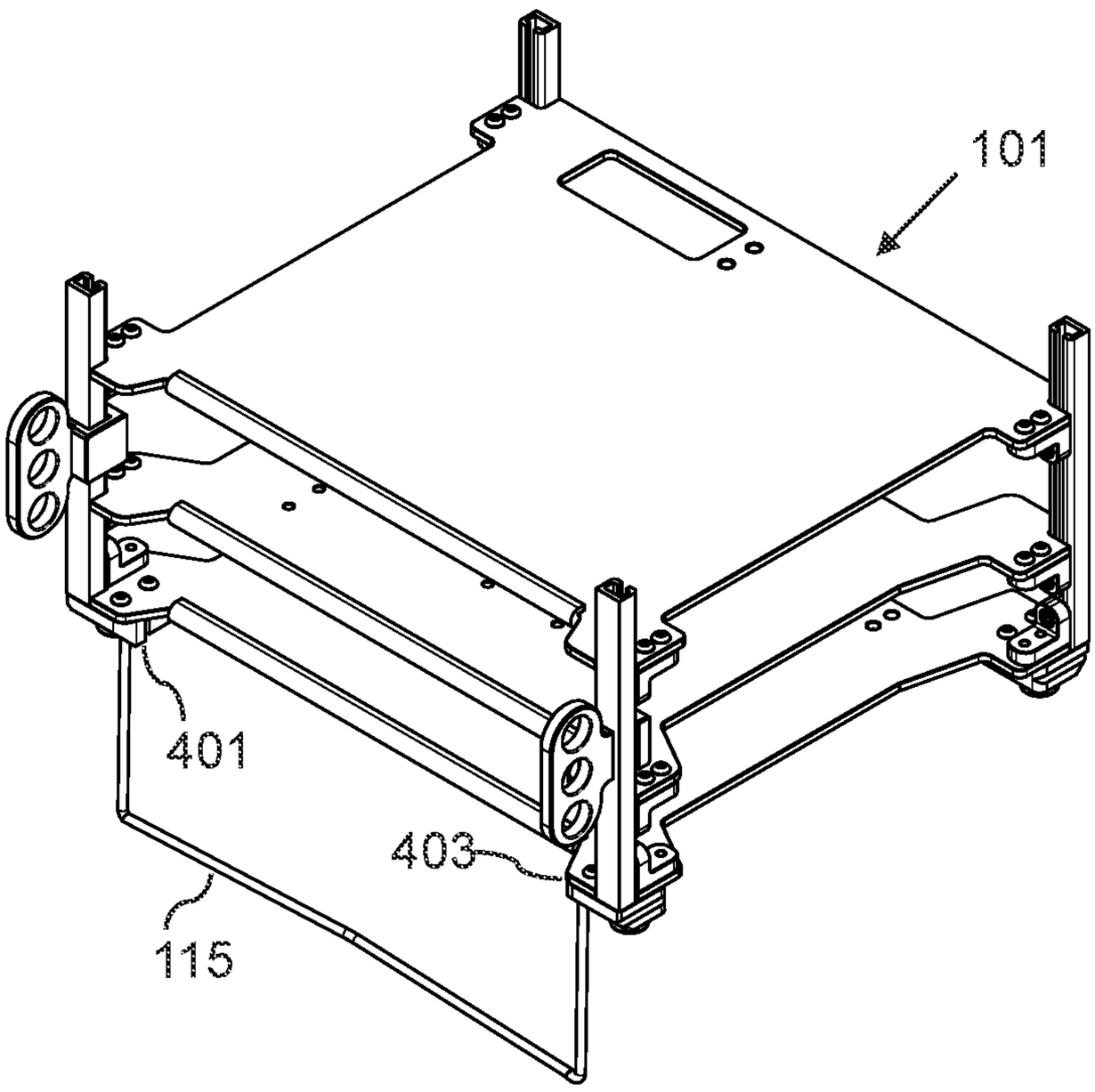

FIG. 4C

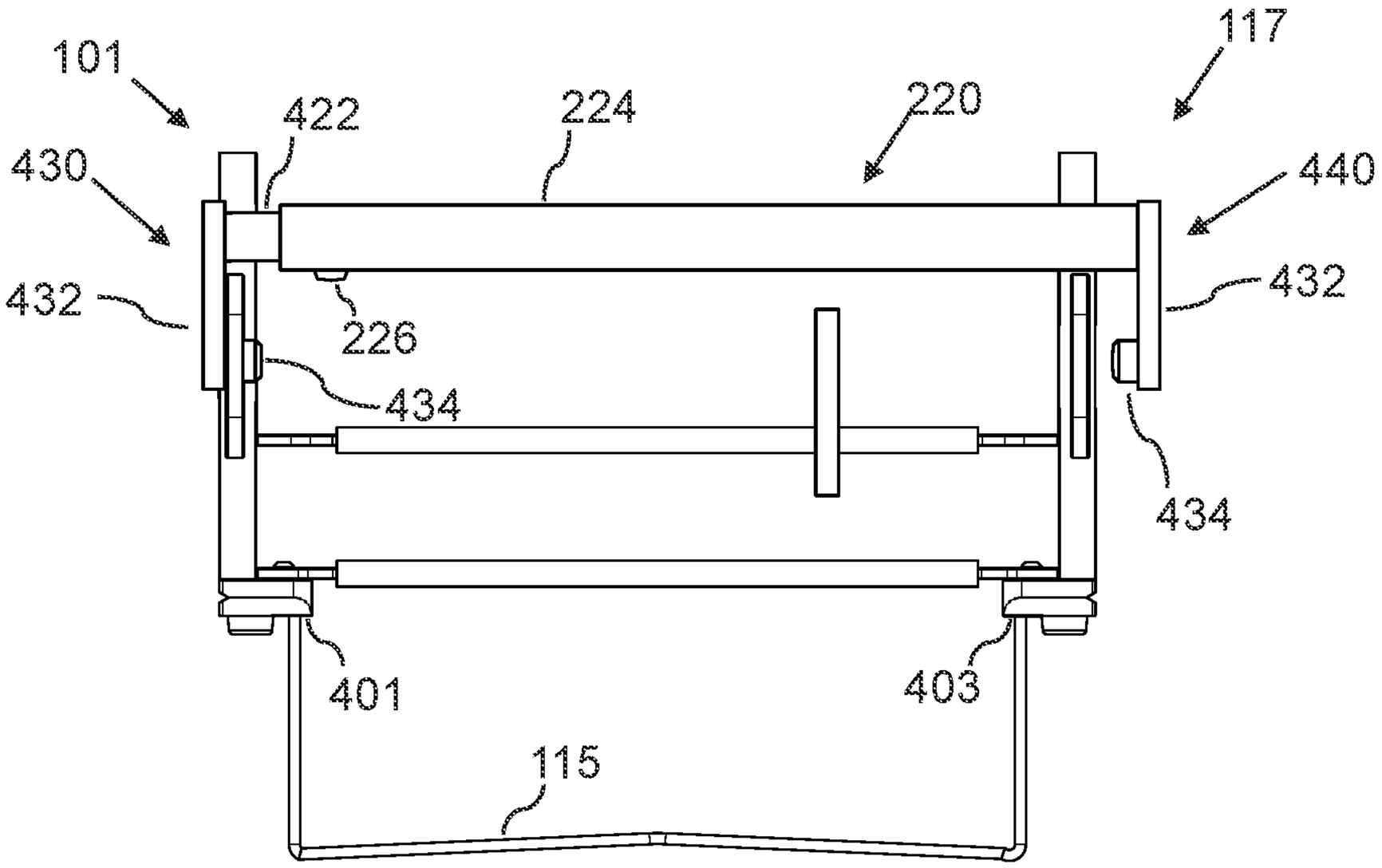
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FIG. 4D

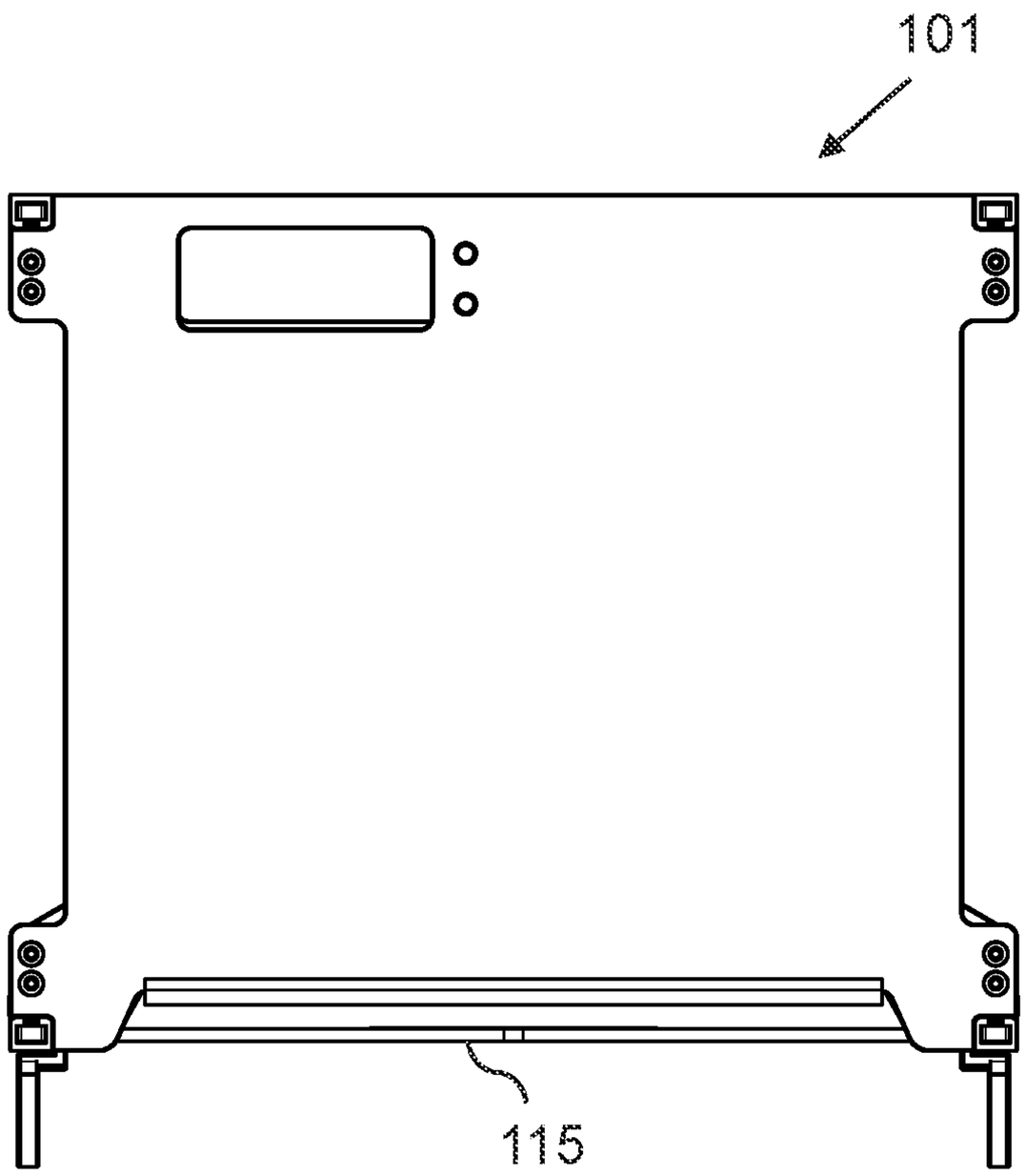
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FIG. 5

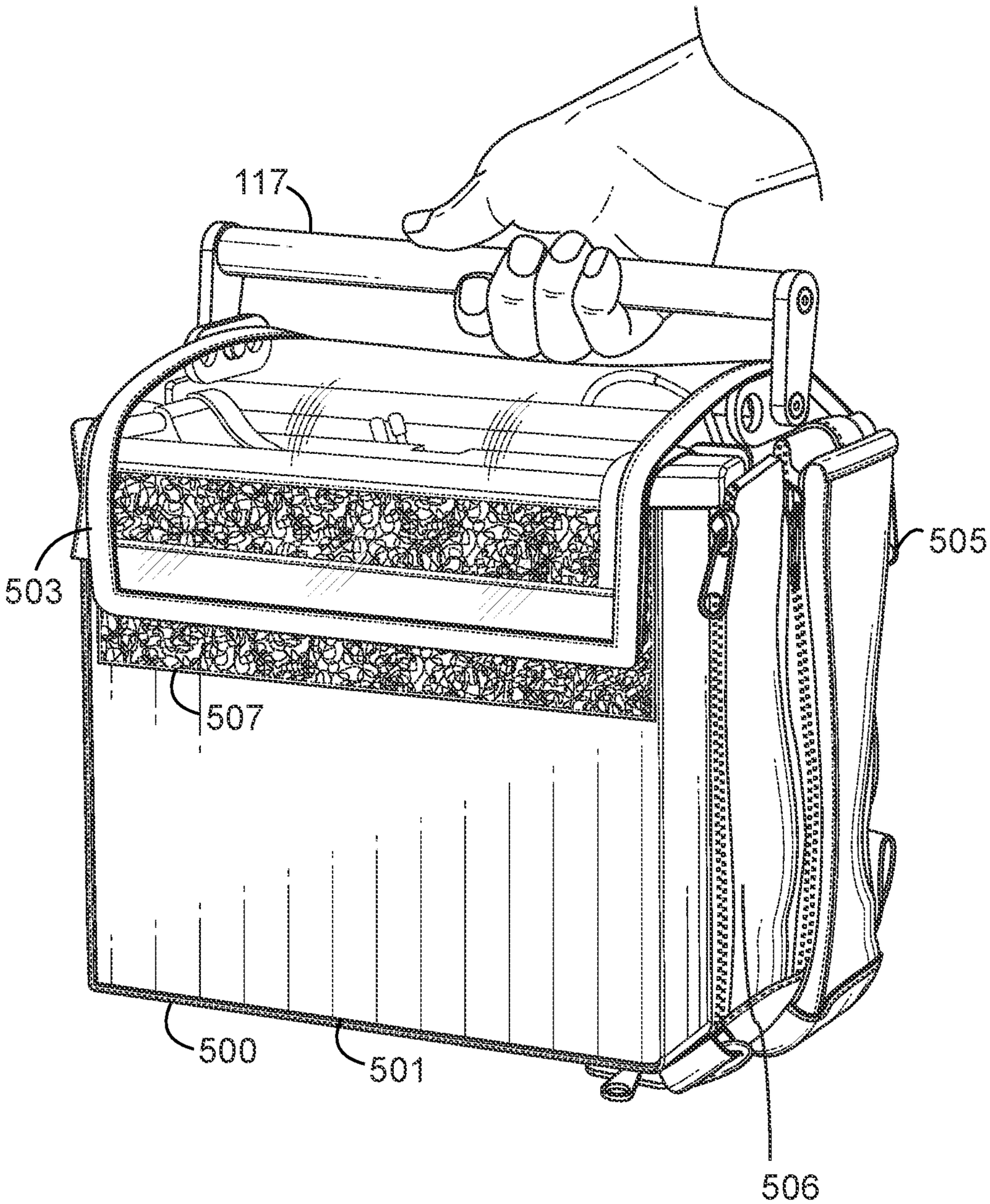


FIG. 6

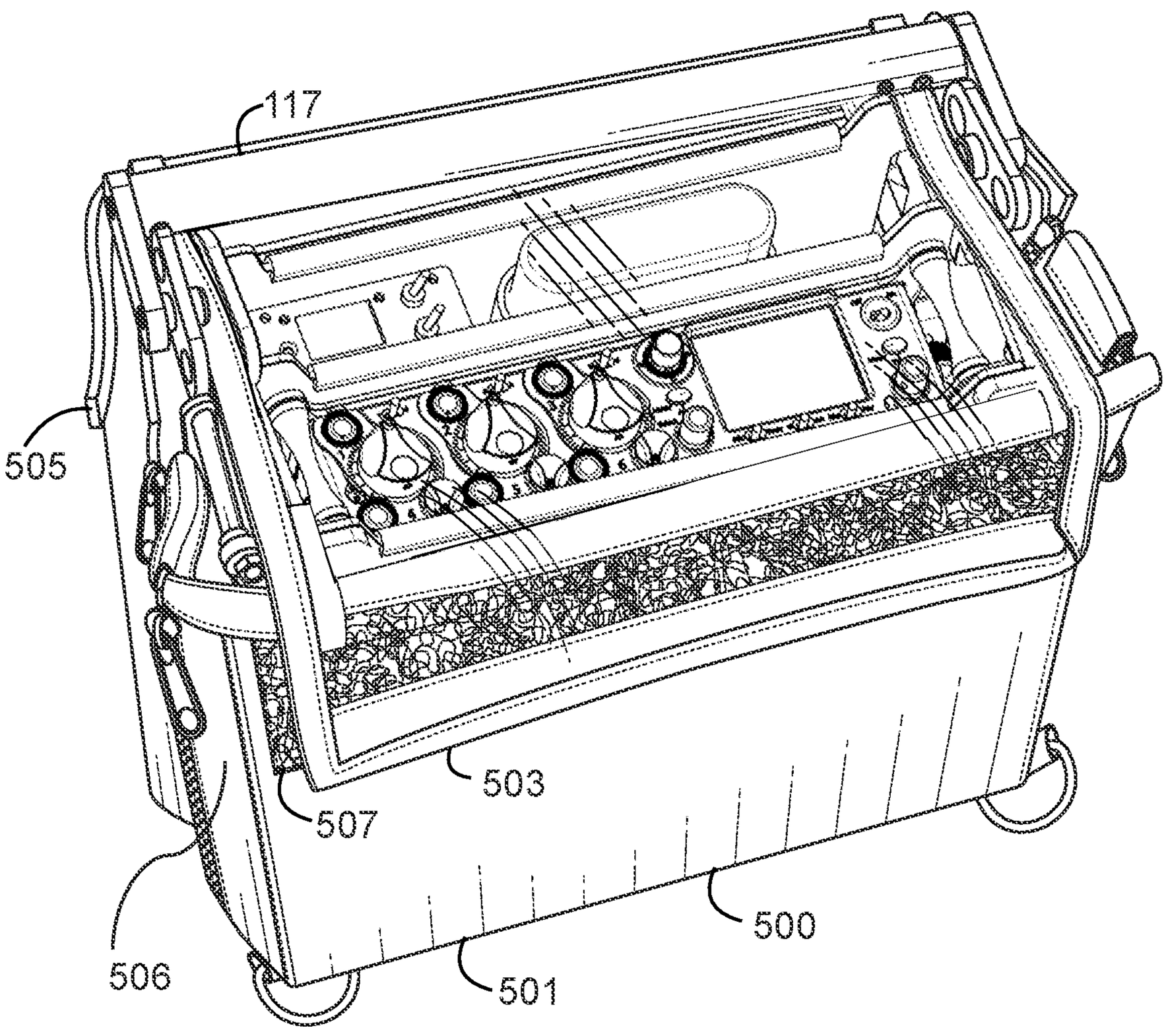


FIG. 7

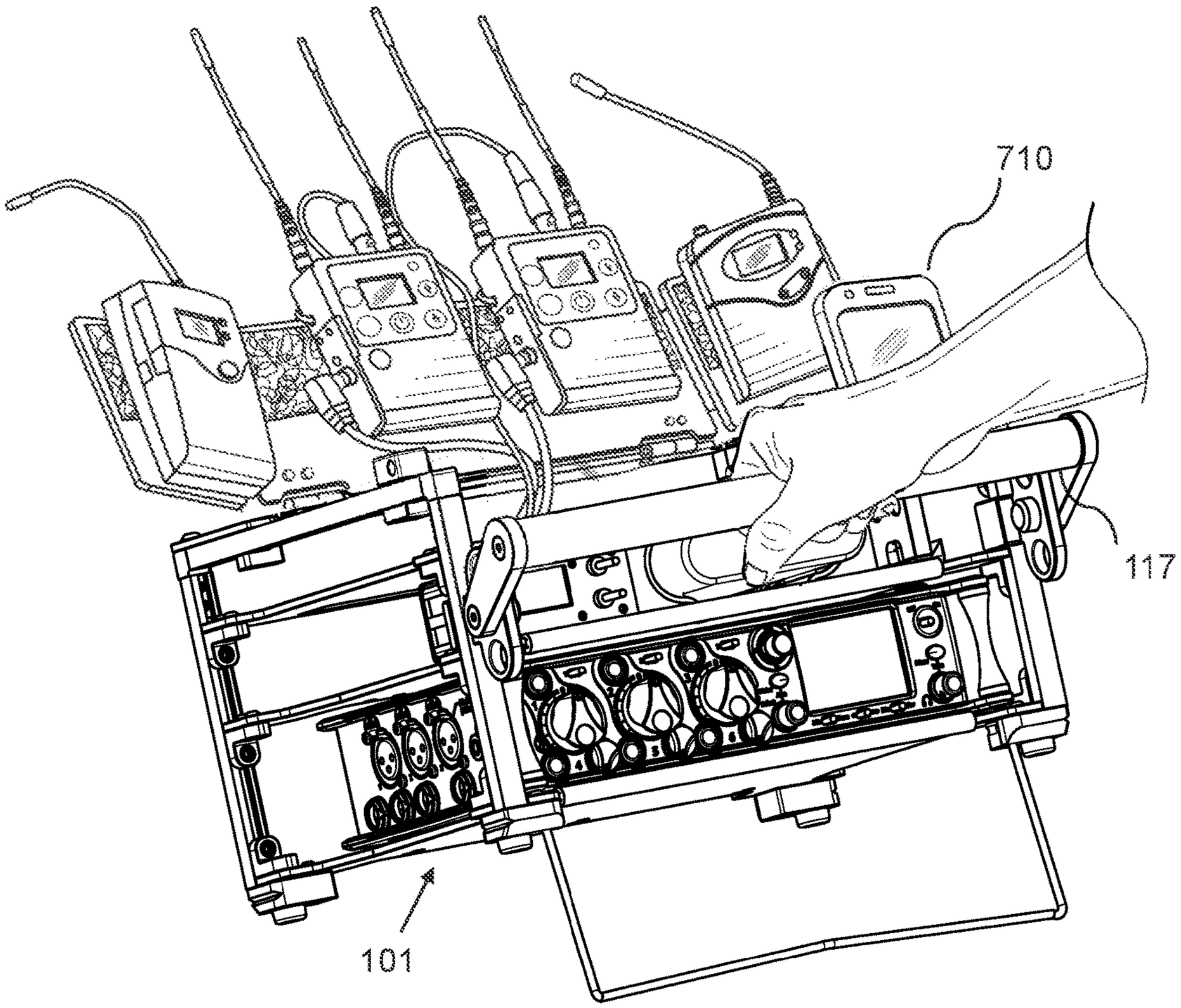


FIG. 8

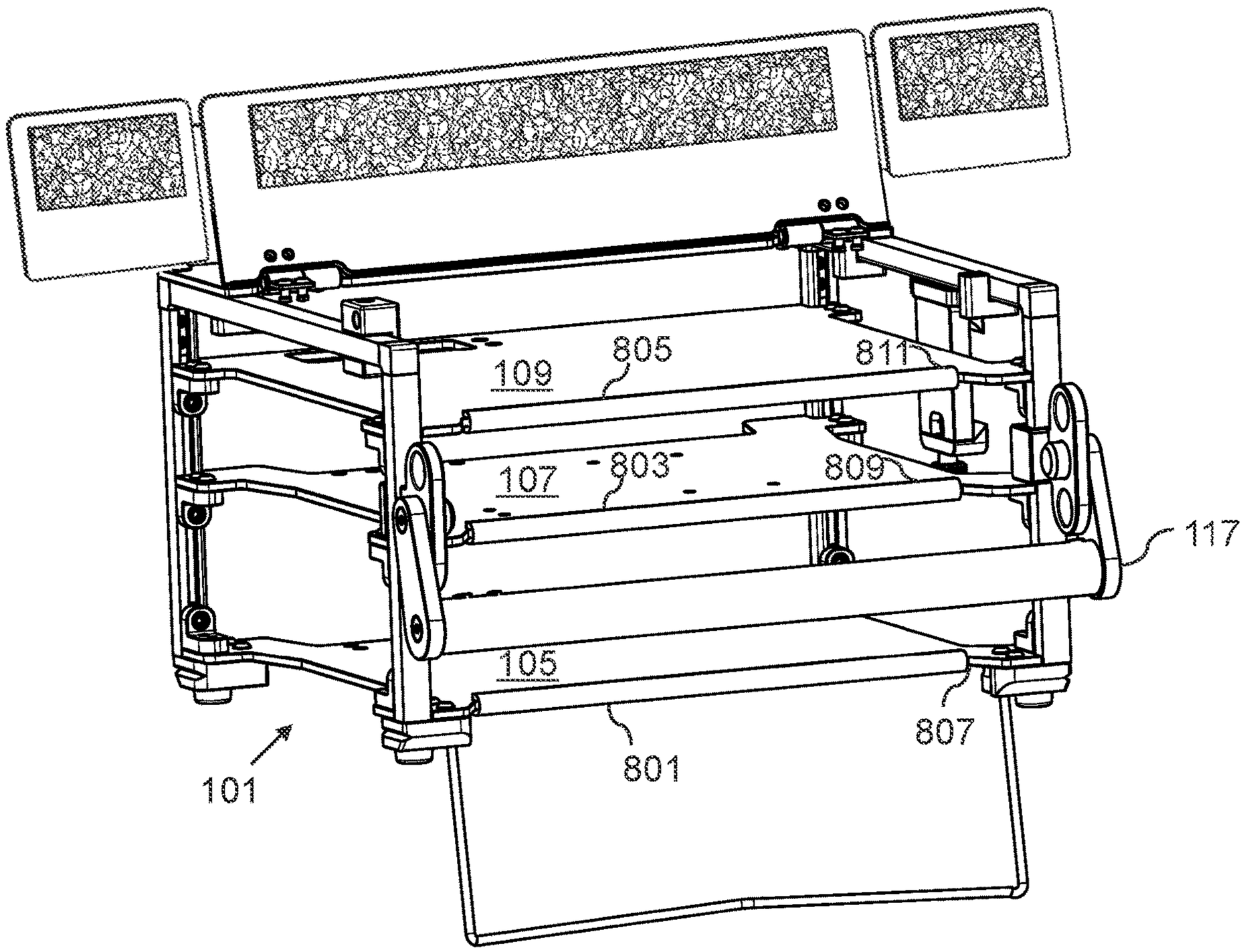


FIG. 9

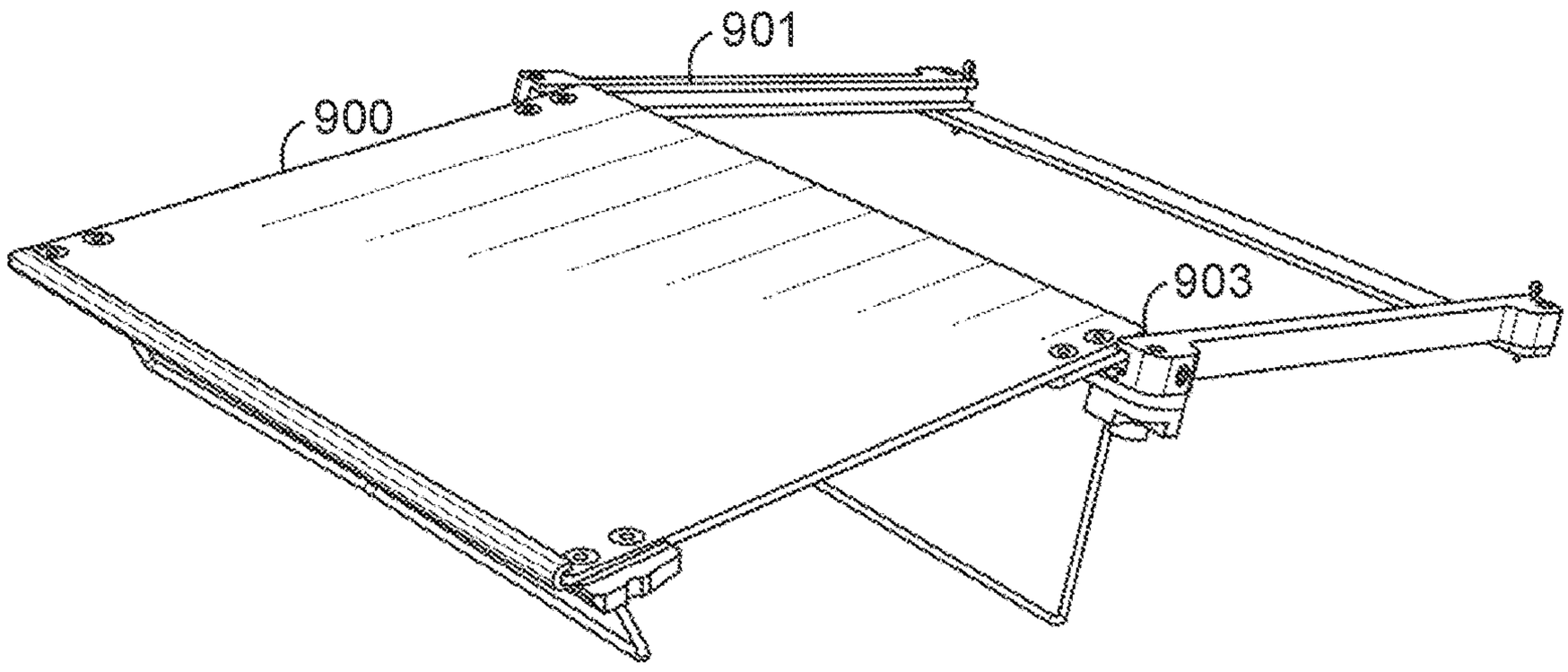


FIG. 10

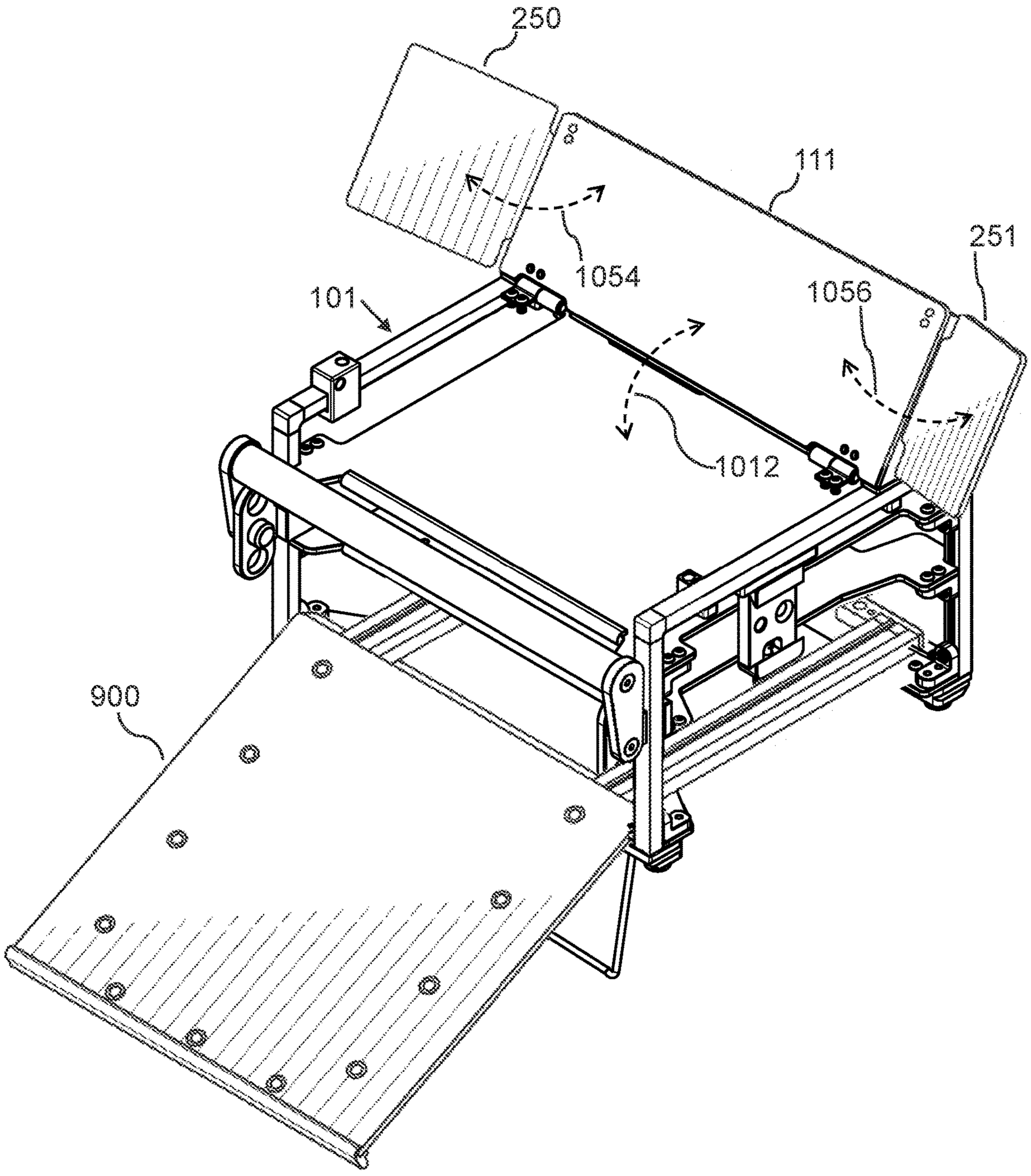


FIG. 11A

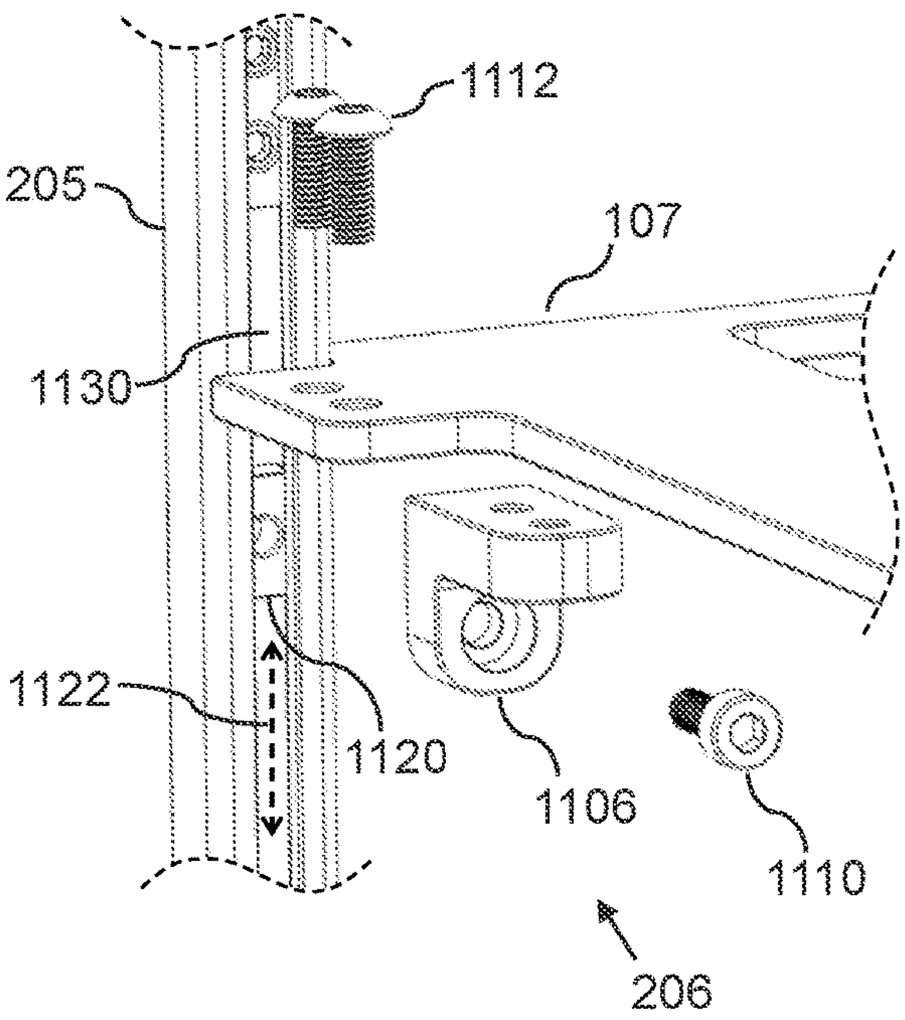


FIG. 11B

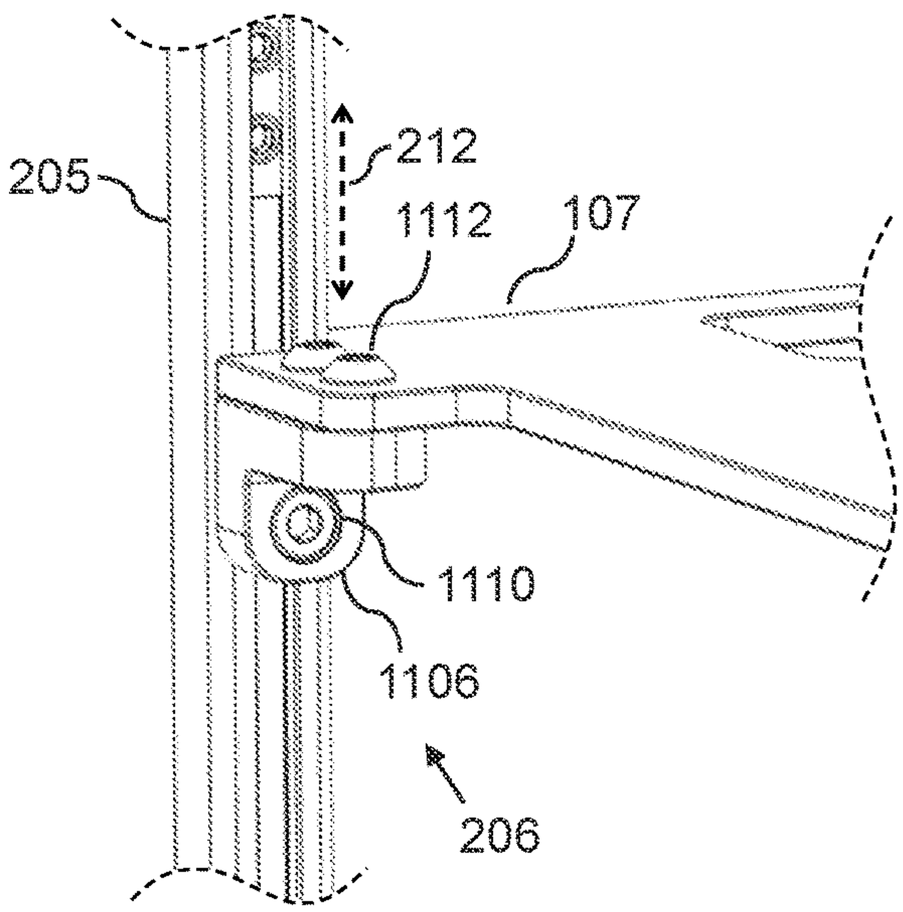


FIG. 11C

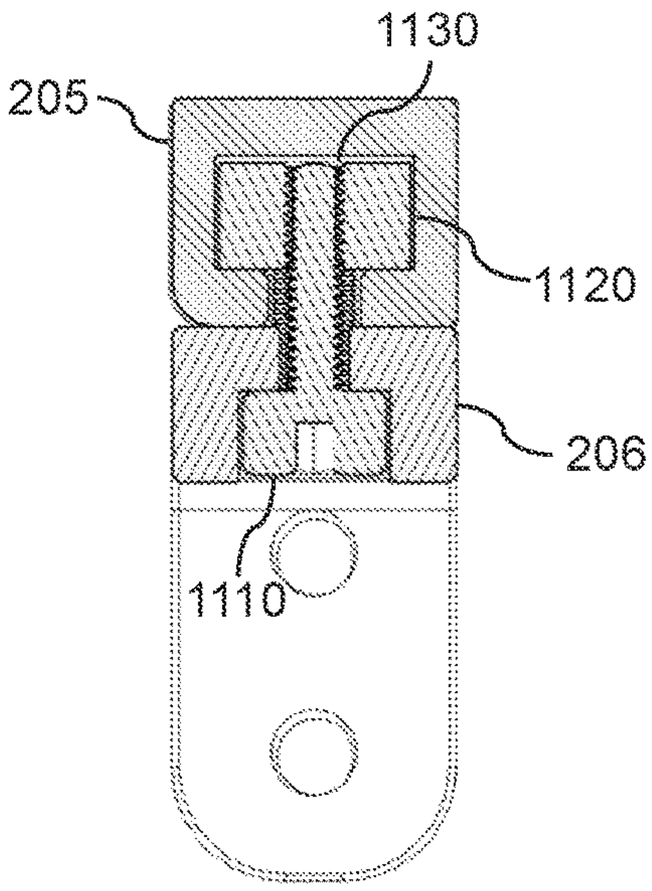


FIG. 12A

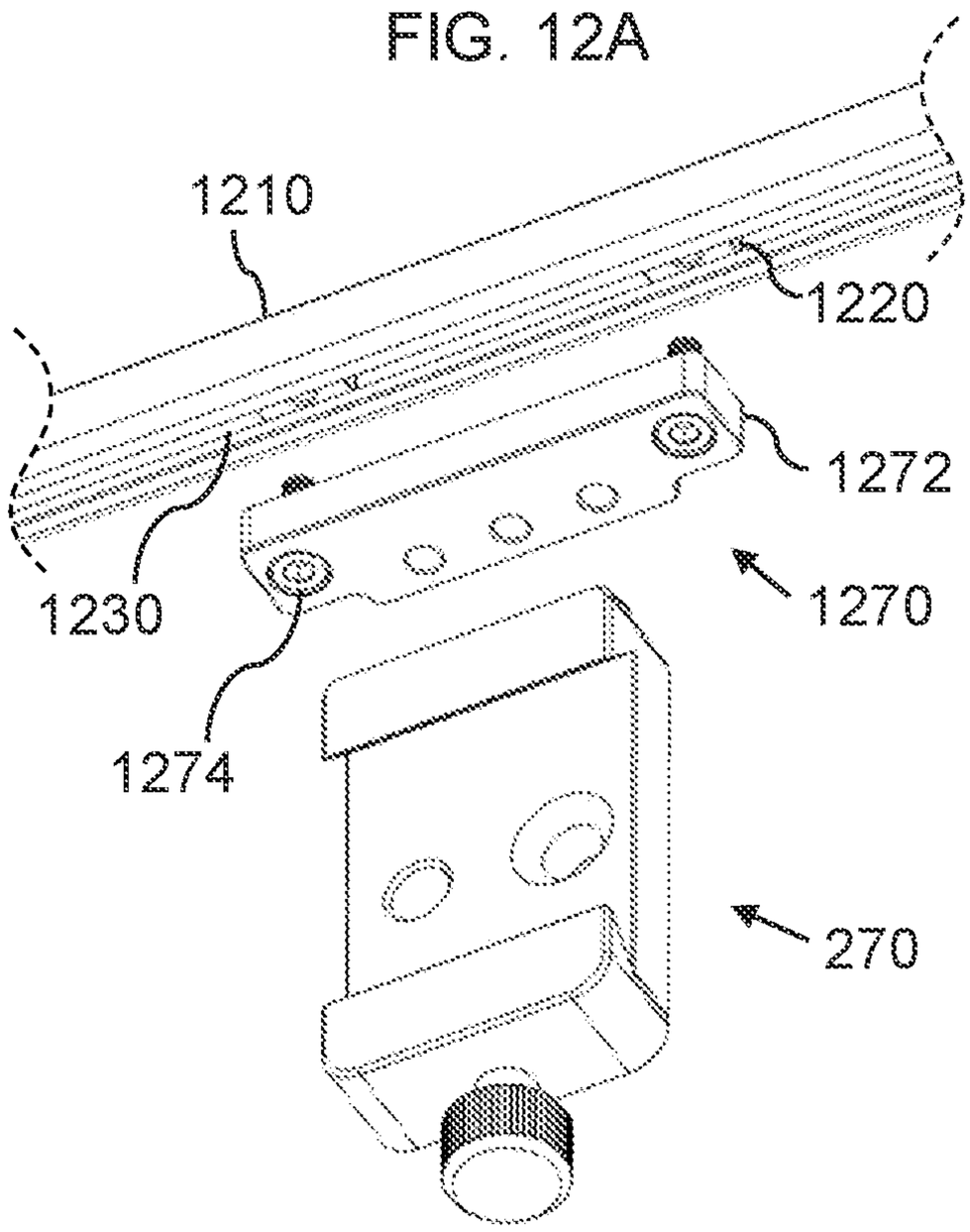


FIG. 12B

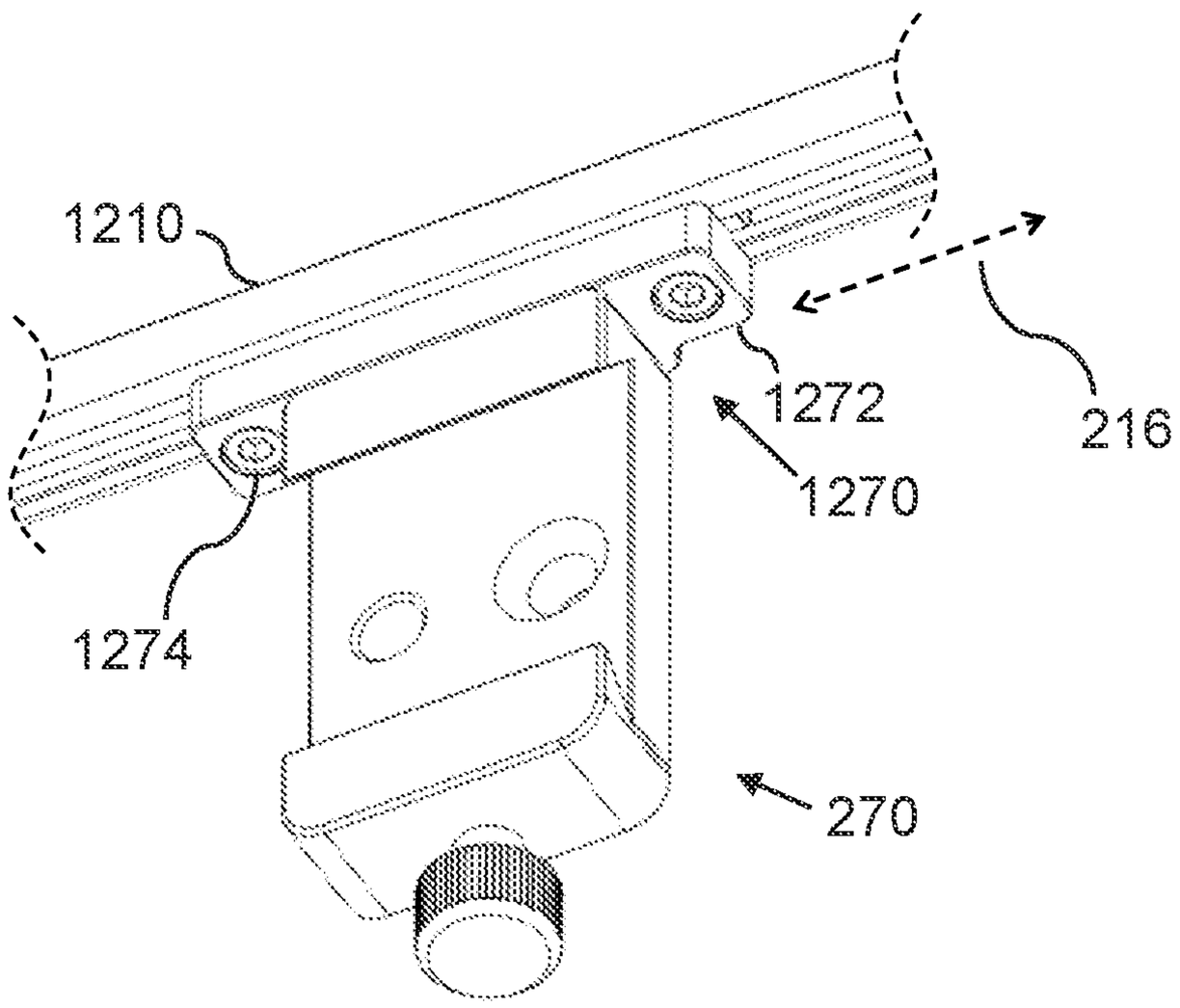


FIG. 13

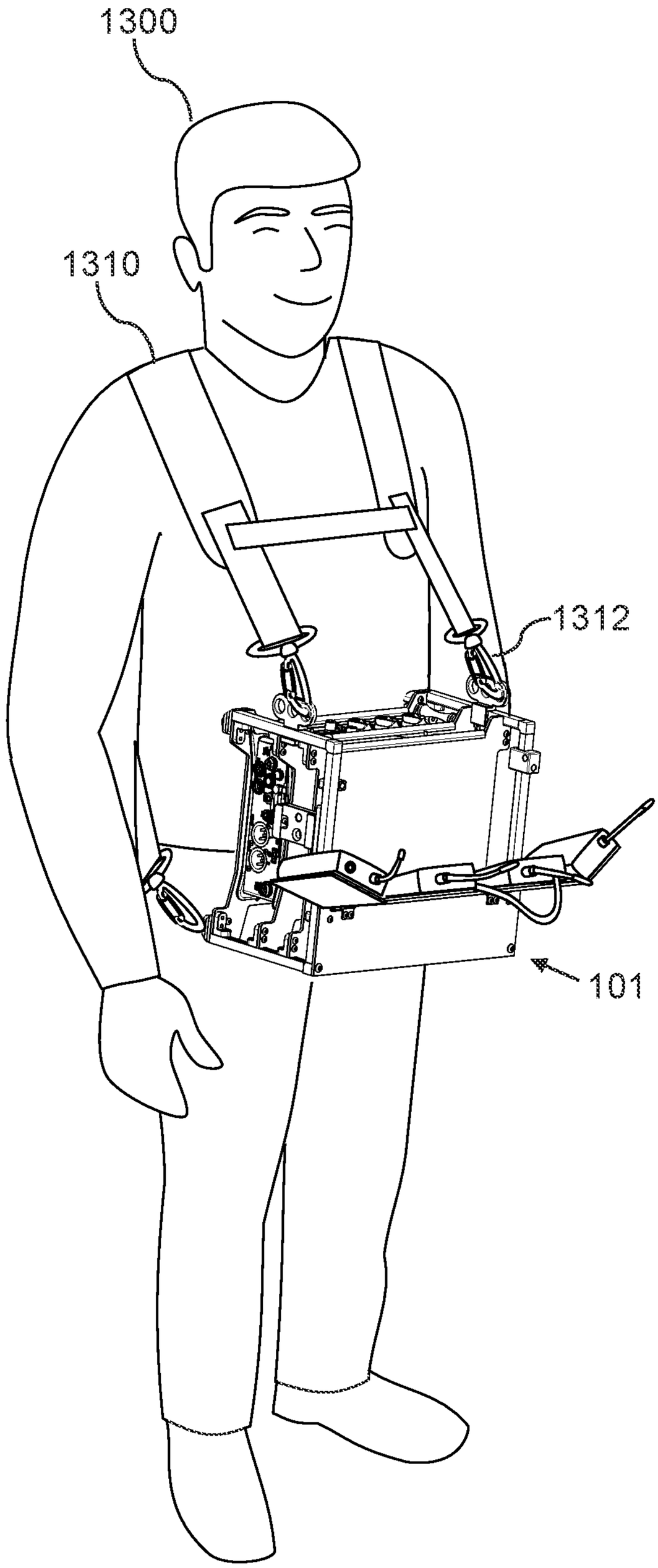


FIG. 14A

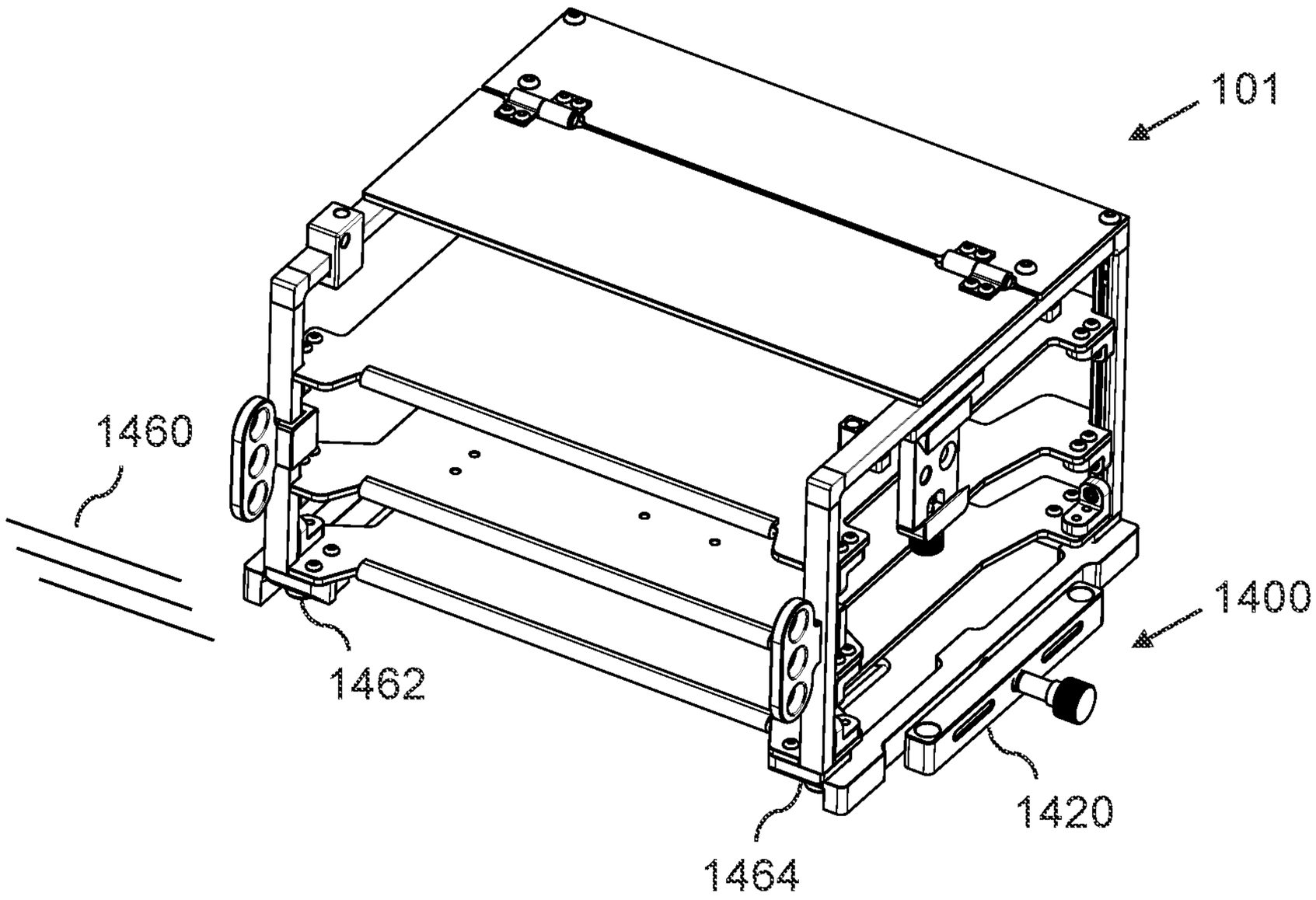


FIG. 14B

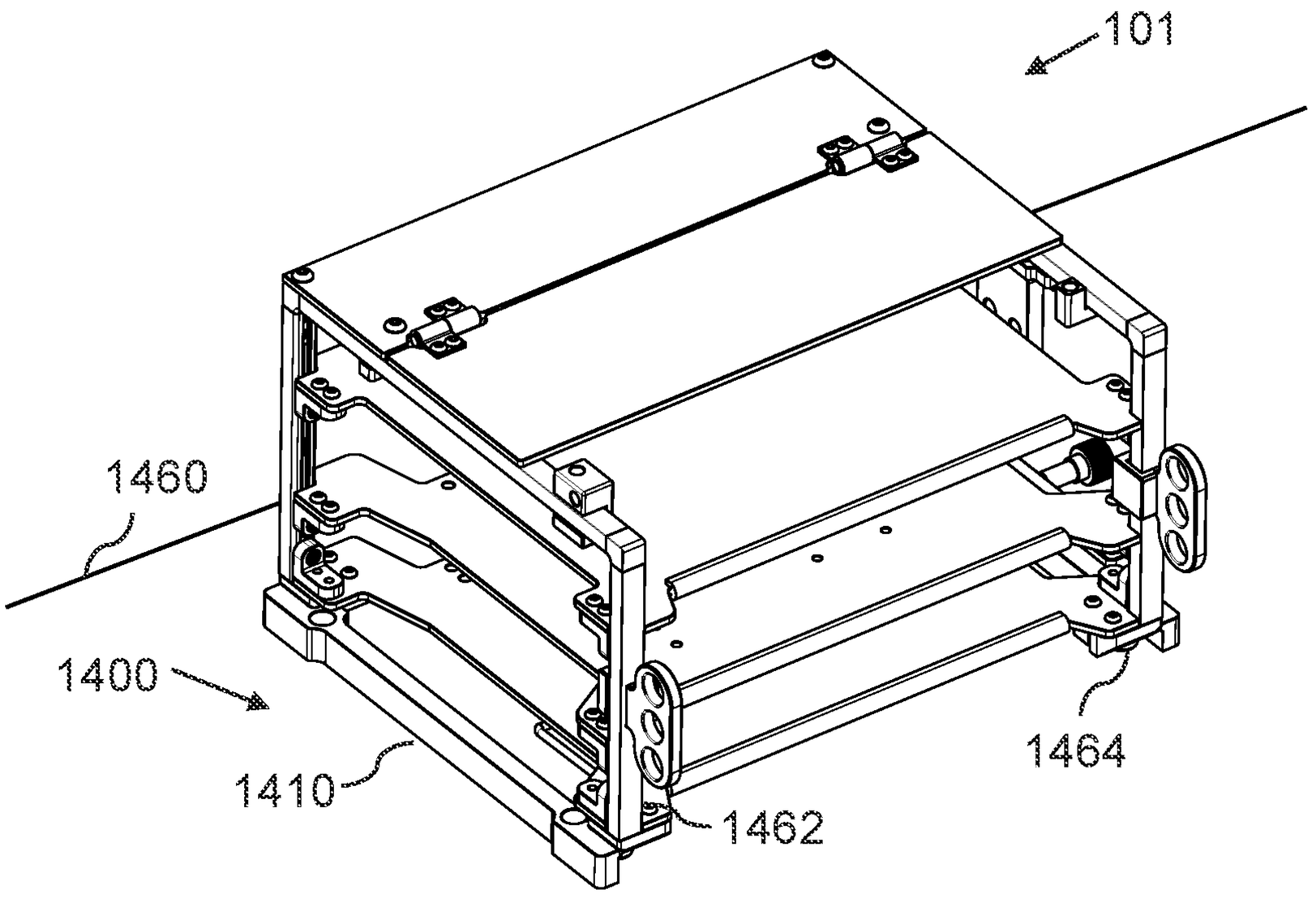


FIG. 15A

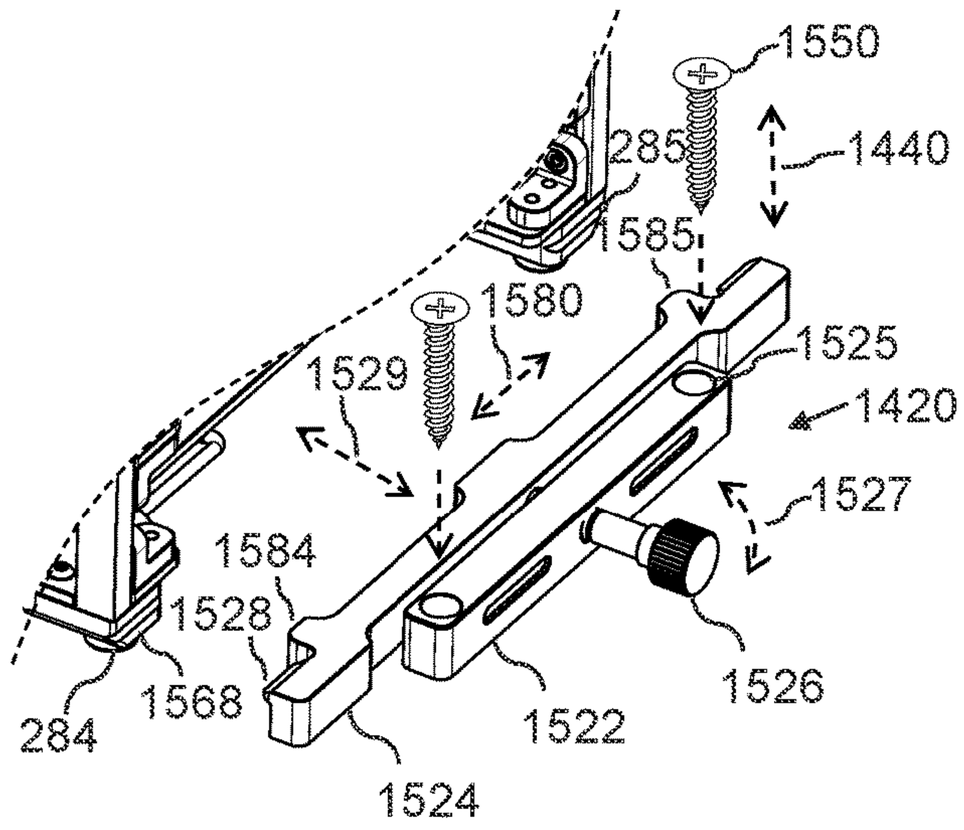


FIG. 15B

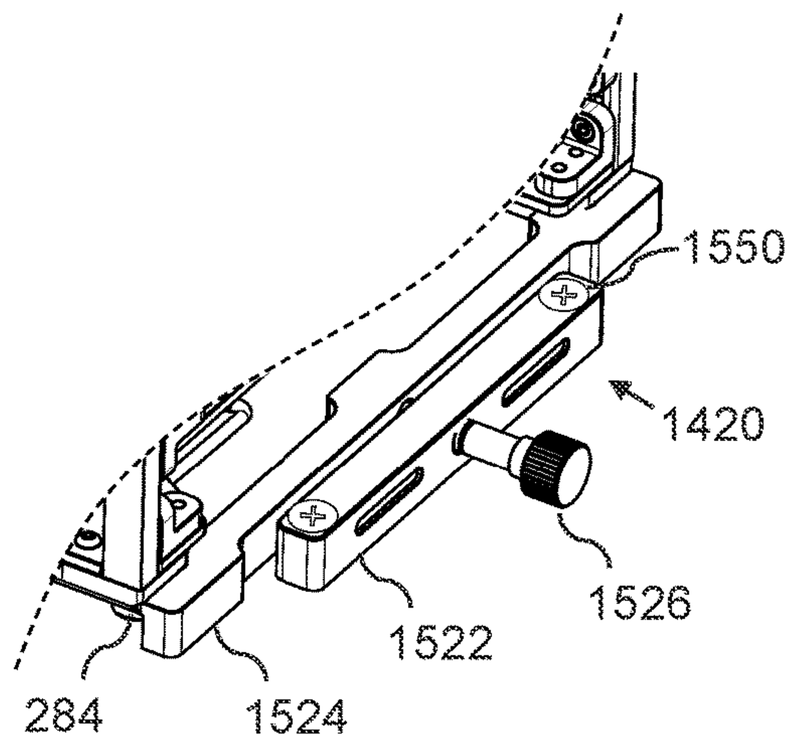


FIG. 16A

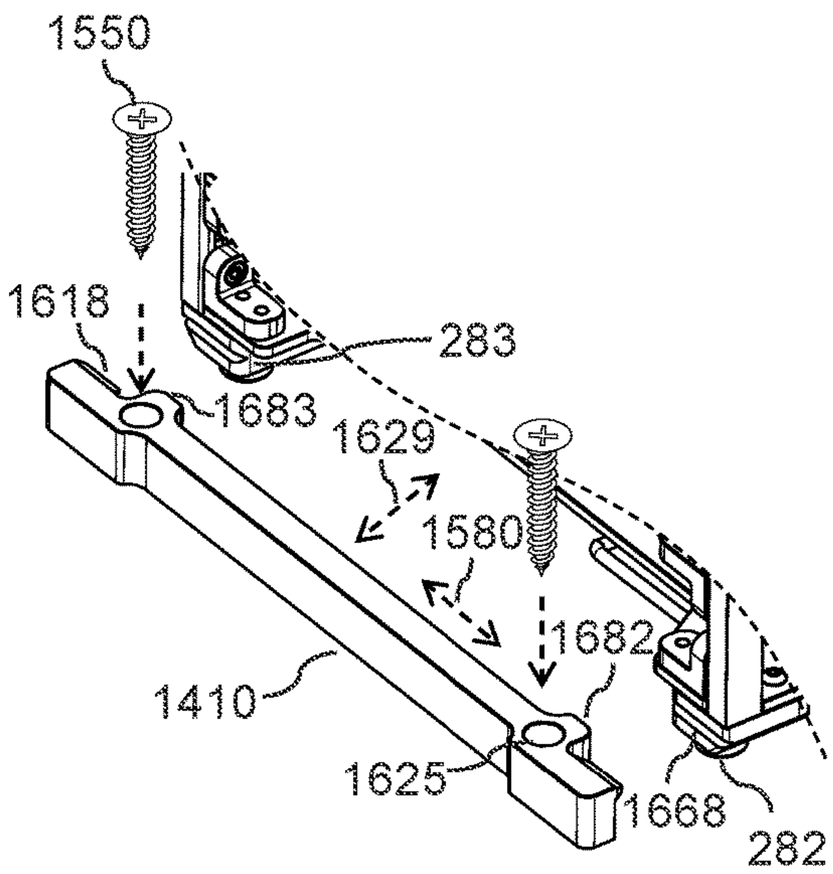


FIG. 16B

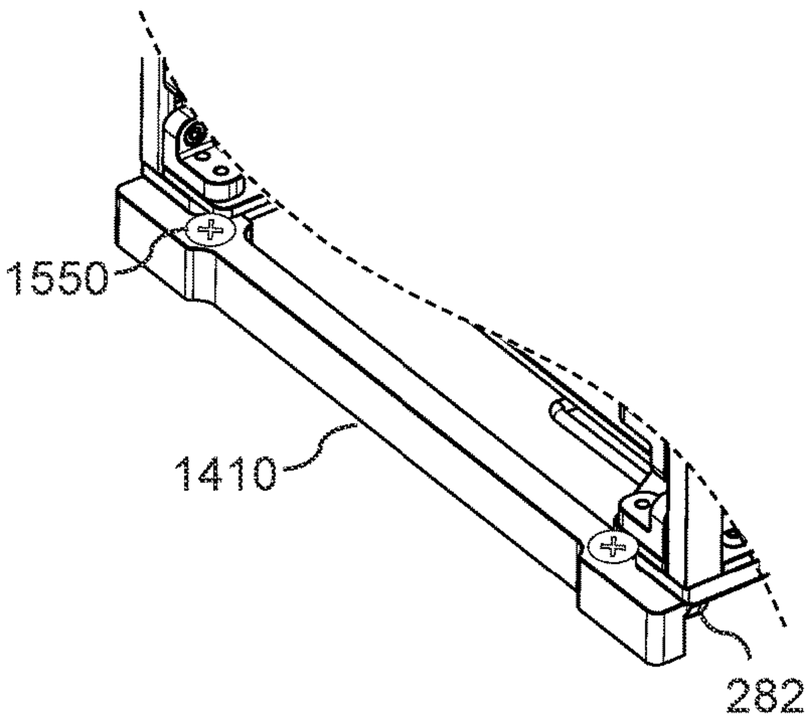


FIG. 17A

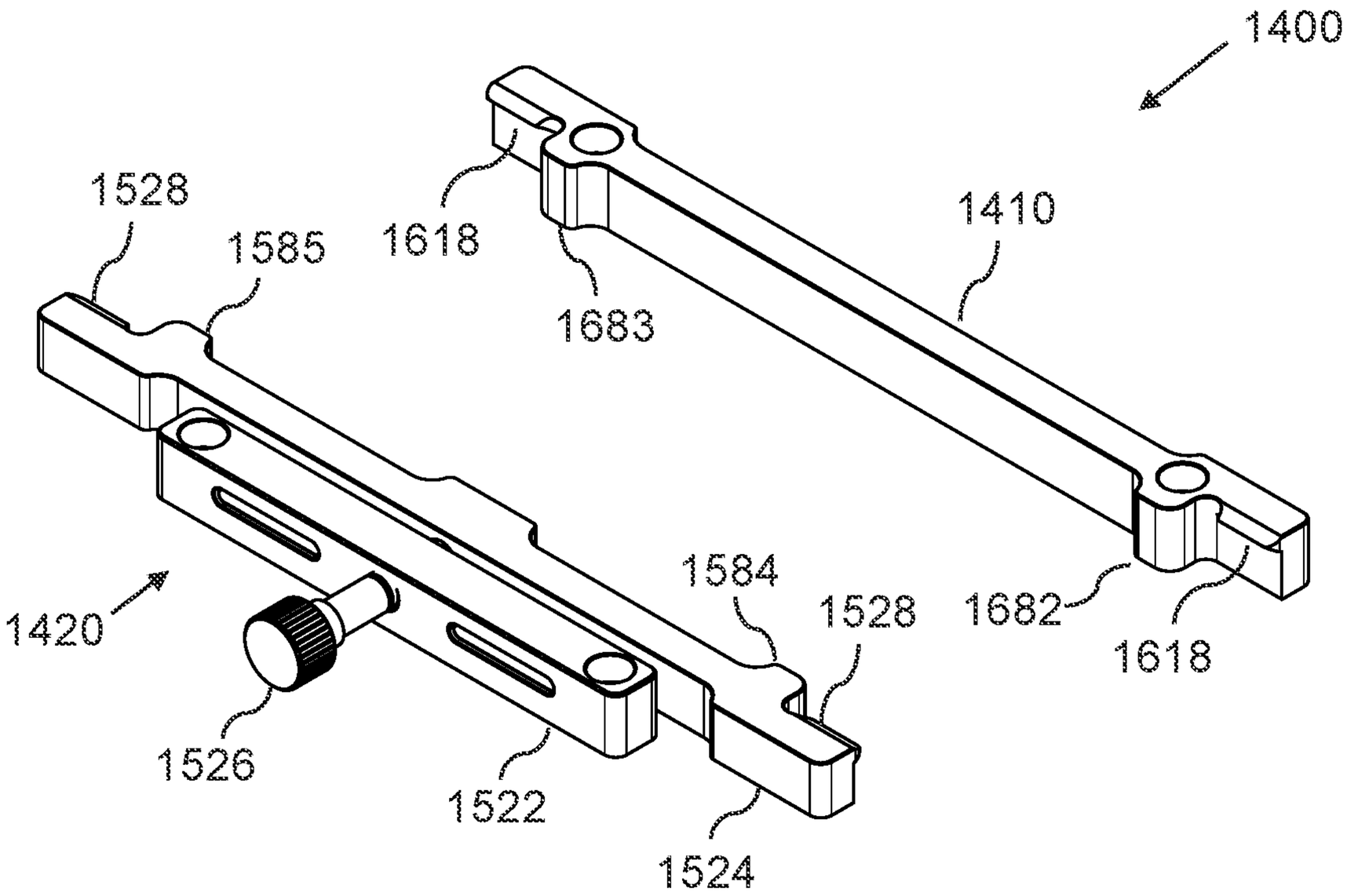
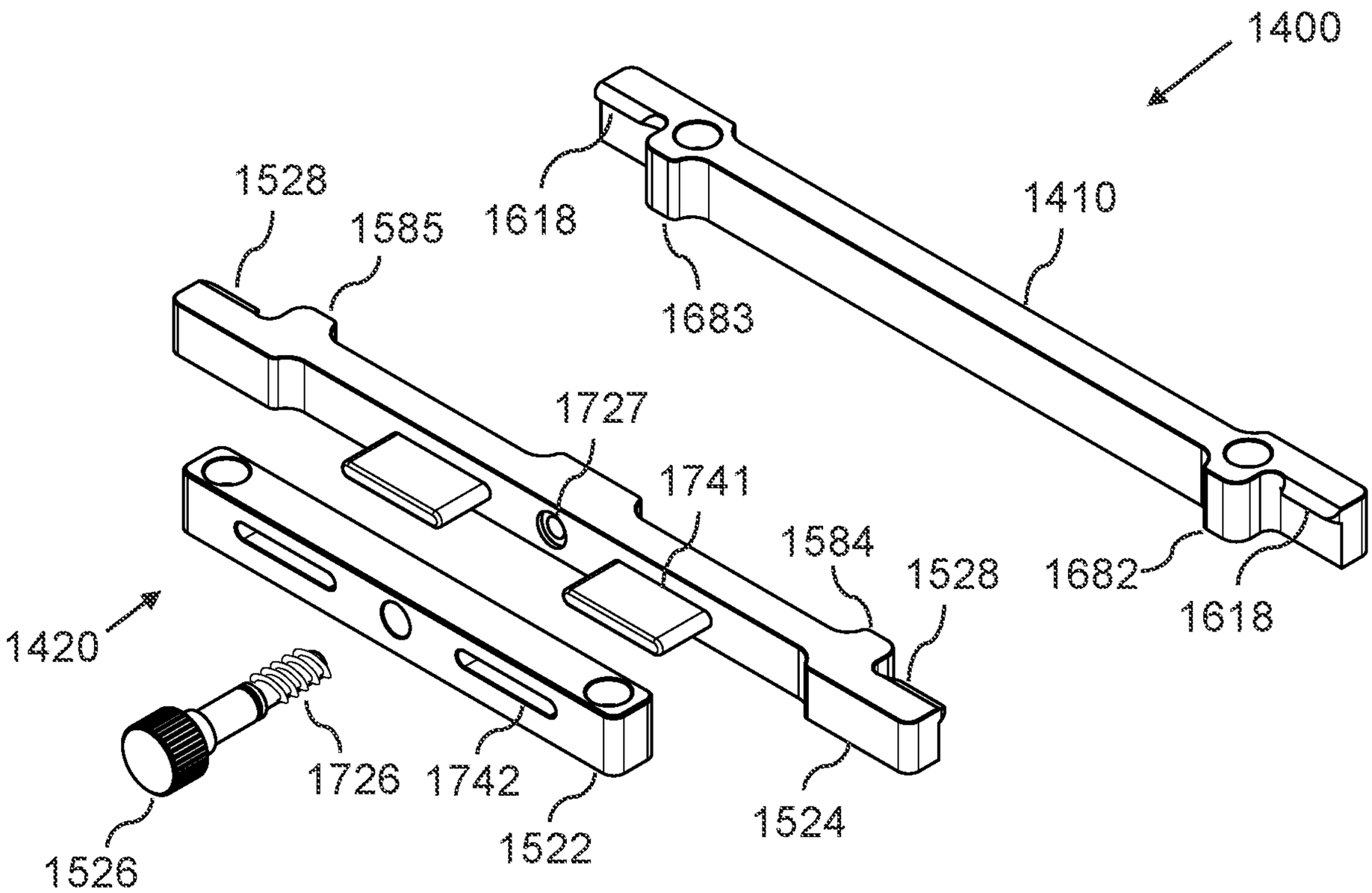


FIG. 17B



APPARATUS FOR CARRYING PRODUCTION SOUND MIXING COMPONENTS

CROSS-REFERENCE TO RELATED APPLICATIONS

This United States Non-Provisional Application is a Continuation-In-Part of International Application No. PCT/US2020/57524, filed Oct. 27, 2020; which claims the benefit of U.S. Non-Provisional application Ser. No. 16/913,325, filed Jun. 26, 2020; both of which are hereby incorporated herein by reference in their entirety.

FIELD OF THE INVENTION

The embodiments generally relate to bags and electronic transport assemblies and, more specifically, relate to modular bags for carrying audio mixing components.

BACKGROUND OF THE INVENTION

A production sound mixer is a member of a film production crew or television crew responsible for recording sound on set during the filmmaking or television production process using professional audio equipment. Equipment used may include various audio mixers and recorders, batteries, wireless radios, booms, audio storage components, headphones, cables, tools, sound logs, and power distribution systems. The specific equipment and amount thereof varies based on the production size and type.

The sound mixing professional often arrives with their equipment to capture a wide variety of sounds while considering the format of the finished product. Components are carried in a bag which holds each element and allows the sound mixing professional to move during the recording process.

In the current arts, bags are designed for specific equipment sizes and dimensions and only allow the user to carry the components in a single configuration. Using the carrying bag on a desktop, table, or other surface can be inconvenient for the sound mixing professional as the arrangement of the audio components is restricted to a single configuration. Further, it may be difficult to address technical problems, as current bags are unable to manage a large number of wires inherent in the production process.

As such, considering the foregoing, it may be appreciated that there continues to be a need for novel and improved devices and methods for modular bags for carrying audio mixing components.

SUMMARY OF THE INVENTION

The foregoing needs are met, to a great extent, by the present invention, wherein in aspects of this invention, enhancements are provided to the existing model of modular bags for carrying audio mixing components.

This summary is provided to introduce a variety of concepts in a simplified form that is further disclosed in the detailed description of the embodiments. This summary is not intended to identify key or essential inventive concepts of the claimed subject matter, nor is it intended for determining the scope of the claimed subject matter.

Embodiments described herein provide an apparatus for carrying sound production components, comprising a rigid frame including vertically interspaced first, second, and third surfaces. Each of the first surface, second surface, and third surface releasably engage with a plurality of sound production components. A first wing and a second wing are pivotably mounted to the third surface to releasably engage with at least one of the plurality of sound production components. A bag receives the rigid frame in a folded configuration and encloses the rigid frame and the plurality of sound production components.

The embodiments provide a means for carrying sound production components as well as arranging the frame on a surface such as a desktop, table, etc. The apparatus may be carried both within the bag or using the frame to permit use in various settings.

In one aspect, a handle is releasably engaged with the rigid frame via one or more handle brackets.

In one aspect, the handle is pivotably engaged with the handle brackets.

In one aspect, the bag permits the handle to extend to the exterior of the bag.

In one aspect, the first and the second wings are arrangeable in a folded and an unfolded configuration.

In one aspect, the plurality of sound production components comprise at least one of the following: at least one power distribution system, at least one recorder, at least one audio mixer, at least one audio recorder, at least one battery, at least one wireless radio, at least one audio storage component, and a plurality of cables.

In one aspect, a computing device mount permits the mounting of a computing device.

In one aspect, a support is pivotably engaged with the first surface. The support arranges the frame in a suitable position when positioned on a surface

There has thus been outlined, rather broadly, certain embodiments of the invention in order that the detailed description thereof herein may be better understood, and in order that the present contribution to the art may be better appreciated. There are, of course, additional embodiments of the invention that will be described below and which will form the subject matter of the claims appended hereto.

In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of embodiments in addition to those described and of being practiced and carried out in various ways. In addition, it is to be understood that the phraseology and terminology employed herein, as well as the abstract, are for the purpose of description and should not be regarded as limiting.

As such, those skilled in the art will appreciate that the conception upon which this disclosure is based may readily be utilized as a basis for the designing of other structures, methods and systems for carrying out the several purposes of the present invention. It is important, therefore, that the claims be regarded as including such equivalent constructions insofar as they do not depart from the spirit and scope of the present invention.

BRIEF DESCRIPTION OF THE DRAWINGS

A complete understanding of the present embodiments and the advantages and features thereof will be more readily understood by reference to the following detailed description when considered in conjunction with the accompanying drawings wherein:

FIG. **1** illustrates a perspective view of the frame of the carrying apparatus and sound production components

mounted thereto, wherein the frame is in a folded configuration, according to some embodiments;

FIG. **2**A illustrates a side elevation view of the apparatus frame, according to some embodiments;

FIG. **2**B illustrates a perspective view of the frame of the carrying apparatus, according to some embodiments;

FIG. **2**C illustrates a front elevation view of the frame and shelving, according to some embodiments;

FIG. **2**D illustrates a top plan view of the frame, according to some embodiments;

FIG. **3** illustrates a perspective view of the frame of the carrying apparatus and sound production components thereof wherein the frame is arranged in an unfolded configuration, according to some embodiments;

FIG. **4**A illustrates a side elevation view of the support and frame, according to some embodiments

FIG. **4**B illustrates a perspective view of the support and frame, according to some embodiments;

FIG. **4**C illustrates a front elevation view of the support and frame, according to some embodiments;

FIG. **4**D illustrates a top plan view of the frame, according to some embodiments;

FIG. **5** illustrates a perspective view of the bag and handle for enclosing and carrying the sound production components, according to some embodiments;

FIG. **6** illustrates a perspective view of the bag for enclosing and carrying the sound production components, according to some embodiments;

FIG. **7** illustrates a perspective view of the frame and sound production components, wherein the frame is in an unfolded configuration having the handle attached thereto, according to some embodiments;

FIG. **8** illustrates a perspective view of the frame in an unfolded configuration having the handle attached thereto, according to some embodiments;

FIG. **9** illustrates a perspective view of the tray, according to some embodiments;

FIG. **10** illustrates a perspective view of the tray engaged with the frame, according to some embodiments;

FIG. **11**A illustrates a perspective section view of an exploded slidable assembly, according to some embodiments;

FIG. **11**B illustrates a perspective section view of the slidable assembly, according to some embodiments;

FIG. **11**C illustrates a top section cut view of the slidable assembly, according to some embodiments;

FIG. **12**A illustrates a perspective section view of an exploded computing device mount, according to some embodiments;

FIG. **12**B illustrates a perspective section view of computing device mount, according to some embodiments;

FIG. **13** illustrates a front perspective view of a user wearing a shoulder harness and frame, according to some embodiments;

FIG. **14**A illustrates a right perspective view of a frame and docking bracket mounted on a flat surface, according to some embodiments;

FIG. **14**B illustrates a left perspective view of a frame and docking bracket mounted on a flat surface, according to some embodiments;

FIG. **15**A illustrates a section view of the insertion of a moving jaw assembly into the frame, according to some embodiments;

FIG. **15**B illustrates a section view an inserted moving jaw assembly, according to some embodiments;

FIG. **16**A illustrates a section view of the insertion of a stationary jaw into the frame, according to some embodiments;

FIG. **16**B illustrates a section view an inserted stationary jaw, according to some embodiments;

FIG. **17**A illustrates a perspective view of a docking bracket, according to some embodiments; and

FIG. **17**B illustrates an exploded view of a docking bracket, according to some embodiments.

DETAILED DESCRIPTION

Before describing the invention in detail, it should be observed that the present invention resides primarily in a novel and non-obvious combination of elements and process steps. So as not to obscure the disclosure with details that will readily be apparent to those skilled in the art, certain conventional elements and steps have been presented with lesser detail, while the drawings and specification describe in greater detail other elements and steps pertinent to understanding the invention.

The following embodiments are not intended to define limits as to the structure or method of the invention, but only to provide exemplary constructions. The embodiments are permissive rather than mandatory and illustrative rather than exhaustive.

The specific details of the single embodiment or variety of embodiments described herein are to the described apparatus. Any specific details of the embodiments are used for demonstration purposes only, and no unnecessary limitations or inferences are to be understood therefrom.

Before describing in detail exemplary embodiments, it is noted that the embodiments reside primarily in combinations of components and procedures related to the apparatus. Accordingly, the apparatus components have been represented where appropriate by conventional symbols in the drawings, showing only those specific details that are pertinent to understanding the embodiments of the present disclosure so as not to obscure the disclosure with details that will be readily apparent to those of ordinary skill in the art having the benefit of the description herein.

The specific details of the single embodiment or variety of embodiments described herein are set forth in this application. Any specific details of the embodiments are used for demonstration purposes only, and no unnecessary limitation or inferences are to be understood therefrom. Furthermore, as used herein, relational terms, such as "first" and "second," "top" and "bottom," and the like, may be used solely to distinguish one entity or element from another entity or element without necessarily requiring or implying any physical or logical relationship, or order between such entities or elements.

In general, the embodiments provided herein relate to an apparatus for carrying production sound mixing components. The equipment used may include various audio mixers and recorders, batteries, wireless radios, booms, audio storage components, headphones, cables, tools, sound logs, and power distribution systems. Each equipment item may be releasably engaged with a frame, which may be arranged in a folded or unfolded configuration. The frame may be positioned within a bag during use or may be removed from the bag to allow the frame to be positioned on a surface such as a desktop, table, etc.

As used herein, the term "sound production components" relates to any electronic or nonelectronic component utilized by a sound mixing professional during the filming and production processes. For example, sound production com-

ponents may include audio mixers and recorders, batteries, wireless radios, booms, audio storage components, headphones, cables, tools, sound logs, and power distribution systems. One skilled in the arts will readily understand that the embodiments may be used to transport and operate sound production components not specifically mentioned in the instant disclosure.

The sound product components may be held in place on one or more surfaces using various attachment or securing means known in the arts. For example, hook-and-loop systems may be used to releasably the sound production components with the surfaces or portion thereof. In another example, rubber bumpers may be provided on the surface to secure the sound production component by compressive force.

FIG. **1** illustrates a perspective view of an apparatus **100** having a frame **101** with sound production components **103** mounted thereto. The frame **101** is comprised of a first surface **105**, second surface **107**, and third surface **109** arranged as a first tier, second tier, and third tier respectively. Each surface permits the utilization, support, and releasable engagement of various sound mixing components utilized by the sound mixing professional during the filming and production processes. A folding surface **111** is pivotably mounted to a top **113** of the apparatus **100**. The folding surface **111** provides a mounting surface for one or more of the sound production components **103**. A support **115** is pivotably mounted to the bottom side of the first surface **105** to support the frame **101** when positioned on a surface. The support **115** adjusts the angle of the frame when rested on a surface to provide easy access, manipulation, operation, and interpretation of the sound mixing components **103** during use. A handle **117** is shown removed from the frame **101**. The handle **117** may be selectively attached during use.

In some embodiments, additional surfaces can be added to the frame **101**.

In some embodiments, each tier facilitates the organization of sound mixing components. Tier heights may be adjusted based on the size and number of sound mixing components used. The first, second and third surfaces provide attachments for the sound mixing components to be mounted thereto while providing protection from shock, impact, and the like.

FIG. **2**A illustrates a side elevation view of the frame **101**. Vertical rails **205** support the first, second, and third surfaces **105**, **107**, **109** to provide vertical space wherein the sound mixing components are disposed. A handle bracket **213** is mounted to a first side **215** of the frame **101** to pivotably engage the handle **117**. The handle **117** is received by at least one aperture **217** provided on the handle bracket **213**.

FIG. **2**B illustrates a perspective view of the frame **101** of the apparatus. At least one wing, which can be a first wing **250** and a second wing **251**, can be pivotably mounted to the folding surface **111** to allow the user to selectively fold or unfold each wing **250**, **251**. The first wing **250** unfolds to extend laterally over a first edge **253** of the folding surface **111** while the second wing **251** unfolds to extend laterally over a second edge **255** of the folding surface **111**.

In some embodiments, each wing **250**, **251** may be raised from the folding surface **111** to permit the attachment of at least one sound mixing component while in a folded configuration as illustrated in FIG. **2**B.

FIG. **2**C illustrates a front elevation view of the frame **101** and shelving (first, second, and third surfaces). Each wing **250**,**251** includes a pivot **261**,**263** to allow the wings to pivot. Members **265**,**267** vertically raise the wings **250**,**251** to permit the attachment of a sound production component when in a folded configuration. Leg structures **282**, **283**, **284**, **285** are provided on each corner of the bottom side **271** of the frame to retain the frame **101** on a desktop or similar surface. FIG. **2**D illustrates a top plan view of the frame **101** showing the top of the folding surface **111** and wings **250**,**251**. The handle **117** is mounted to the first side **215** to allow the user to carry the apparatus **100** during use.

In some embodiments, members **265**, **267** can be configured as torque hinges. Torque hinges, or friction hinges, provide resistance to the pivoting motion of the hinge itself, making these products suitable for holding lids, doors, panels, or display devices at specific angles for extended periods of time. These hinges have been widely adopted in the electronics sector and in a variety of commercial and industrial settings for their practicality and durability.

FIG. **3** illustrates a perspective view of the frame **101** of the apparatus **100** and sound production components thereof wherein the frame **101** is arranged in an unfolded configuration such that the wings **250**,**251** are extended laterally from the central portion of the frame **101**. In an exemplary embodiment, the first surface **105** permits the engagement of a mixer and recorder **301**. The second surface **107** permits mounting of a power distribution system **303** with a battery power to distribute power to the various sound production components. The folding surface **111** permits mounting of wireless radios **305** or similar communications systems. The apparatus **100** easily organizes and allows for the management of wires **307** in electrical communication with the various sound production components. In one example, the sound mixing components may be mounted using a hook-and-loop system (general mounting components **309**) to easily attach and remove the various sound mixing components provided in the frame **101**.

FIGS. **4**A, **4**B, **4**C, and **4**D illustrate various views of the frame **101**. The support **115** is pivotably **116** engaged with receivers **401**, **403** mounted on a bottom of the frame **101**, to allow the user to selectively fold and unfold the support during use or during storage. Specifically, FIGS. **4**A-**4**D illustrate the support **115** in an unfolded configuration to facilitate the manipulation and operation of sound production components during use.

FIG. **5** and FIG. **6** illustrate perspective views of the bag **500** and handle **117**. The bag **500** forms an enclosure around the frame and sound production components during transportation and during use. In such, the user may operate and perform various sound production tasks with the frame disposed within the enclosure of the bag **500** or may remove the frame from the bag **500**. The bag **500** permits the handle **117** to extend to an exterior of the enclosure to permit the utilization of the handle while the bag is closed around the frame. The cover **503** extends from the back side **505** to the front side **507** of the bag **500**. The cover **503** may be constructed at least partially of a transparent or semi-transparent material to allow the user to view the displays and/or controls of the sound production components within the bag **500**. The cover **503** may be releasably engaged via a hook-and-loop system, snap-fit mechanisms, or similar mechanism for releasably engaging textiles. The bag **500** provides a barrier between the exterior environment to protect the sound production components from impact, hazardous materials and debris, moisture, tampering, and the like.

In some embodiments, the bag **500** may comprise a plurality of compartments **506** on the exterior of the bag wherein the user may dispose various items.

In some embodiments, the bag **500** can be configured to adjust height-wise, such that the bag **500** can accommodate increases in height of the frame **101**.

FIG. **7** illustrates a perspective view of the frame **101** and sound production components **103**, wherein the frame **101** is in an unfolded configuration having the handle **117** attached thereto. A computing device **710** such as a mobile phone or similar personal electronic device may be attached to the frame **101**, via a mount for convenience, or to communicate with the various sound production components.

FIG. **8** illustrates a perspective view of the frame **101** in an unfolded configuration having the handle **117** attached thereto without the sound production components. Edge surfaces **801**,**803**,**805** are provided on front edges **807**,**809**, **811** are provided to form a smooth surface and provide protection against damage to the frame **101**. The edge surfaces **801**,**803**,**805** provide rigidity to the surfaces of the frame. The embodiments allow for modulation of the sizes, dimensions, and configuration of the apparatus to accept various sizes and numbers of sound mixing components.

In some embodiments, the materials of the frame are sufficiently rigid to prevent bending or undue stress during use of the apparatus. Metals, metal alloys and similar materials may be used to provide sufficient rigidity. Further, lightweight rigid materials including carbon fiber and the like may be implemented to reduce weight of the frame making the apparatus suitable for long-term use. Edges of the materials may be finished to round edges and reduce the risk of injury, abrasion, and the propensity for unfinished materials to catch and snag textiles.

FIG. **9** illustrates a perspective view of the tray **900** providing a sliding surface for the various audio components. The tray **900** comprises a mounting portion **901** which may articulate via a pivot **903** provided on each side of the tray **900**. The tray **900** provides the user the option to utilize at least one additional surface, thus forming a fourth surface for the releasable attachment of a plurality of audio equipment. One skilled in the arts will readily understand that the tray **900** may be configured to form any surface of the frame. Similarly, the frame is not limited to a number of surfaces and may be provided with additional surfaces as needed.

FIG. **10** illustrates the tray **900** in an expanded configuration slidingly attached to the frame **101**. The tray **900** may be slid into the frame **101** in a contracted configuration wherein the tray **900** forms a surface of the frame **101**. In such, the tray **900** may retain one or more sound production components thereon while allowing the tray **900** to slide out of the frame to present the sound production component during use.

In an embodiment, an apparatus **100** for carrying sound production components **103**, can include:

- a rigid frame **101** including a plurality of vertically interspaced surfaces **105**, **107**, **109**, such as for example 2, 3, 4, or more vertically interspaced surfaces **105**, **107**, **109**, such that each of the vertically interspaced surfaces **105**, **107**, **109** is configured to releasably engage with a plurality of sound production components **103**. The rigid frame can alternatively be described as including a frame body **101**, and a plurality of vertically interspaced surfaces **105**, **107**, **109**, which are each connected to the frame body **101**;
- at least one wing **250**, **251**, which can be a first wing **250** and a second wing **251**, which is pivotably mounted to a top side **249** of the uppermost surface **113**, such that the at least one wing **250**, **251** is configured to releasably engage with at least one of the plurality of sound production components **103**; and
- a bag **500**, which is configured to receive the rigid frame **101** in a folded configuration and enclose the rigid frame **101** and the plurality of sound production components **103**.

In a related embodiment, the apparatus **100** for carrying sound production components **103**, can further include:

- a support **115**, which is pivotably mounted to a bottom side of a lowermost surface **105** in the plurality of vertically interspaced surfaces **105**, **107**, **109**, wherein the support **115** is configured to arrange the rigid frame **101** in a selected position, which can be a suitable and preferred position for use of the apparatus **100** to access the plurality of sound production components **103**,
- wherein the support **115** is configurable in an in-use configuration and a storage configuration.

In a related embodiment, the first, second, and third surfaces **105**, **107**, **109** are slidably attached to vertical rails **205**, such that the first, second, and third surfaces **105**, **107**, **109** are vertically adjustable;

wherein each surface **105**, **107**, **109** can be slidably attached to vertical rails **205** using a slidable assembly **206**, as shown in FIG. **2**A.

FIGS. **11**A-**11**C illustrate a slidable assembly **206**, which can include:

a) a connection bracket **1106**, which can be attached to the first, second, or third surface **105**, **107**, **109** with at least one surface screw **1112**, such that the connection bracket **1106** is slidably connected to a vertical column;

b) a slidable member **1120**, which can be slidably inserted into a hollow elongated interior **1130** of the vertical column **205**, which can configured as a vertical rail **205**, which comprises an elongated interior **1130**; and

c) a screw **1110**, which can be inserted through the connection bracket **1106** and screwed into the slidable member **1120**;

such that the screw **1110** can be tightened to securely hold the slidable assembly **206** against the vertical rail **205** and secure the surface **105**, **107**, **109** at a vertical height, and the screw **1110** can be loosened to permit the slidable assembly **206** to slide against the vertical rail **205** and slidably adjust the surface **105**, **107**, **109** to a new vertical height.

FIGS. **2**A and **12**A-**12**B illustrate a computing device mount **270**. The computing device mount **270** permits the mounting of a computing device **710** and other accessories to the apparatus **100**. The computing device mount **270** is slidably attachable to a horizontal rail **1210** through the use of a sliding attachment mount **1272**. The sliding attachment mount **1272** is slidably attached to slidable members **1120** inside the horizontal rail **1210**, such that the computing device **710** can be slidably adjusted along the horizontal rail **1210**.

Thus, in an embodiment, as shown in FIGS. **1** and **5**, an apparatus **100** for carrying sound production components can include:

a) a frame **101**;

b) a plurality of mounting structures **105**, **107**, **109**, which are connected to the frame **101**, such that the mounting structures **105**, **107**, **109** are vertically interspaced,

such that each mounting structure of the mounting structures **105**, **107**, **109** is configured to releasably engage with a plurality of sound production components **103**; and

c) a bag **500**, which is configured to receive the frame **101** in a folded configuration and enclose the frame **101** with the plurality of mounting structures **105**, **107**, **109** and the plurality of sound production components **103**.

In a related embodiment, the frame **101** can be rigid.

In a related embodiment, as shown in FIGS. **1** and **3**, the apparatus **100** can further include:

a folding surface **111**, which can be pivotably mounted to a top **113** of the frame **101**, such that the folding surface **111** can be configured to be upwards rotatable **1012**, such that at least one first sound production component **103** of the plurality of sound production components **103** can be attachable to the folding surface **111** when the folding surface **111** is rotated upwards;

such that the folding surface **111** can be configured to be arrangeable in a folded and an unfolded configuration, as shown in respectively FIGS. **2**A-**2**B and FIG. **3**.

In a further related embodiment, as shown in FIGS. **2**B, **2**C, and **3**, the apparatus **100** can include:

a) at least one wing **250**, **251**, which can be pivotably mounted to a first side (i.e. for example a right or left side) of the folding surface **111**, such that the at least one wing **250**, **251** can be configured to be outwards pivotable **1054**, **1056** when the folding surface **111** is rotated upwards;

such that the at least one wing **250**, **251** can be configured to be arrangeable in a folded and an unfolded configuration, as shown in respectively FIGS. **2**A-**2**B and FIG. **3**.

such that at least one second sound production component **103** of the plurality of sound production components **103** can be attachable to the at least one wing **250**, **251** when the at least one wing **250**, **251** is rotated outwards in the unfolded configuration.

In another related embodiment, each mounting structure **105**, **107**, **109** in the plurality of mounting structures **105**, **107**, **109** can further include:

a mounting surface.

In a further related embodiment, as shown in FIGS. **5** and **6**, the bag **500** can further include a bag body **501** and a cover **503** to enclose the frame **101** and the plurality of sound production components **103** within the bag body **501**.

In a yet further related embodiment, as shown in FIGS. Sand **6**, the cover **503** can be at least partially constructed of a transparent material to permit a user to view the plurality of sound production components **103** within the bag **500**.

In another further related embodiment, as shown in FIG. **5**, the bag **500** can further include a plurality of compartments **506** positioned on an exterior of the bag body **501**.

In another related embodiment, as shown in FIG. **2**A, the apparatus **100** can further include:

a) a handle **117**; and

b) at least one handle bracket **213**, which can be connected to the frame;

wherein the handle **117** can be releasably engaged with the rigid frame **101** via the at least one handle bracket **213**.

In another further related embodiment, the handle **117** can pivotably **218** engage with the at least one handle bracket **213**, wherein the at least one handle bracket **213** can include at least one aperture **217** which can be configured to pivotably receive the handle **117**.

In another further related embodiment, as shown in FIGS. **2**B and **4**C, the handle **117** can further include:

a) a telescoping portion **220**, which can include:

i. a first elongated member **422**;

ii. a second elongated member **224**; and

iii. a releasable lock **226**;

wherein the telescoping portion **220** is configured to be extendable, such that the first elongated member **422** slides into (or alternatively onto) the second elongated member **224**;

such that when the releasable lock **226** is released, the telescoping portion **220** can be extended, to allow removal of the handle **117**, as shown in FIG. **4**C;

such that when the telescoping portion **220** is shortened, the releasable lock **226** can be locked when the handle **117** is positioned in place on the handle brackets **213**, such that the releasable lock **226** is configured to lock the handle **117** in place on the at least one handle bracket, as shown in FIG. **2**B;

b) first and second I-shaped members **430**, **440**, which each can include

i. an arm **432**, protruding from a first or second end of the telescoping portion **220**, respectively; and

ii. and inward protruding member **434**, such that a first end of the inward protruding member **434** is connected to an inner side of an outer portion of the arm **432**,

wherein a second end of the inward protruding member **434** is configured to be inserted into (and protrude through) an aperture **217** of a first or second mounting bracket **213**, respectively.

In another related embodiment, as shown in FIG. **5**, the bag **500** can be configured to permit the handle **117** to extend to an exterior of the bag **500**, when the frame **101** is positioned in the bag **500**.

In a related embodiment, as shown in FIG. **3**, the plurality of sound production components **103** can include at least one of the following: at least one power distribution system **303**, at least one recorder and at least one audio mixer **301**, at least one audio recorder, at least one battery, at least one wireless radio **305**, at least one audio storage component, and a plurality of cables **307**.

In a related embodiment, as shown in FIGS. **3**, **4**A, and **4**B, the apparatus **100** can further include:

a) a support **115**, which can be pivotably **116** connected to a bottom of the frame **101**, wherein the support **115** can be configured to arrange the frame **101** in a selected position when positioned on a flat surface **360**, wherein the support can be configurable in an in-use configuration and a storage configuration.

In a further related embodiment, as shown in FIG. **3**, the selected position can be an upward angled position of the frame **101** when positioned on the flat surface **360**.

In a related embodiment, each corresponding mounting structure **105**, **107**, **109** in the plurality of mounting structures **105**, **107**, **109** can be vertically slidably **212** attached to the frame **101**, such that the mounting structures **105**, **107**, **109** are vertically adjustable **214**.

In a further related embodiment, as shown in FIGS. **2**A, **11**A, and **11**B, the frame **101** can include at least one vertical column **205**, wherein each corresponding mounting structure **105**, **107**, **109** in the plurality of mounting structures **105**, **107**, **109** can be slidably connected to the at least one vertical column **205** with at least one slidable assembly **206**, which comprises:

a) a connection bracket **1106**, which can be connected to the corresponding mounting structure **105**, **107**, **109**, such that the connection bracket **1106** can be slidably connected to the at least one vertical column **205**.

In a yet further related embodiment, the frame **101** can include four vertical columns **205** positioned in four side corners of the frame **101**; wherein the at least one slidable assembly **206** can include four slidable assemblies, con-

nected to four corresponding corners of the corresponding mounting structure **105**, **107**, **109**, such that the corresponding mounting structure **105**, **107**, **109** can be slidably connected to the frame **101** between the four vertical columns.

In another yet further related embodiment, as shown in FIGS. **2**B, **11**A, **11**B, and **11**C, the at least one vertical column **205** can be configured as a vertical rail, which can include an elongated interior **1130**;

wherein the at least one slidable assembly **206** can further include:

a) a slidable member **1120**, which can be slidably **1122** inserted into the elongated interior **1130** of the vertical rail **205**, such that the slidable member **1120** is slidably **1122** connected to the vertical rail **205**, such that the slidable member **1120** can be connected to the connection bracket **1106**; and

b) a screw **1112**, which can be inserted through the connection bracket **1106** and screwed into the slidable member **1120**;

such that when the screw **1112** is tightened, the screw **1112** can penetrate the slidable member **1120** and touch an inner surface of the vertical rail **205**, to securely hold the slidable assembly **206** against the vertical rail **205** and secure the corresponding mounting structure **105**, **107**, **109** at a selected vertical position; and

such that when the screw **1112** is loosened, the slidable member **1120** can be slidable to permit vertical adjustment of the corresponding mounting structure **105**, **107**, **109**.

In a related embodiment, as shown in FIGS. **2**A and **7**, the apparatus **100** can further include:

a) a computing device mount **270**, which can be connected to the frame **101**;

wherein the computing device mount **270** can be configured to permit detachable mounting of a computing device **710**.

In a further related embodiment, as shown in FIGS. **2**A, **12**A, and **12**B, the frame **101** can include at least one horizontal column **1210**, wherein the computing device mount **270** can be slidably **216** connected to the at least one horizontal column **1210** with at least one horizontal slidable assembly **1270**, which can include:

a) a connection bracket **1272**, which can be connected to the computing device mount **270**, such that the connection bracket **1272** can be slidably connected to the at least one horizontal column **1210**.

In a yet further related embodiment, as shown in FIGS. **2**A, **12**A, and **12**B, the at least one horizontal column **1210** can be configured as a horizontal rail, which can include an elongated interior **1230**;

wherein the at least one horizontal slidable assembly **1270** can further include:

a) at least one slidable member **1220**, which can be slidably inserted into the elongated interior **1230** of the horizontal rail **1210**, such that the slidable member **1220** can be connected to the connection bracket **1272**; and

b) a screw **1274**, which can be inserted through the connection bracket **1272** and screwed into the slidable member **1220**;

such that when the screw **1274** is tightened, the screw **1274** can penetrate the slidable member **1220** and touch an inner surface of the horizontal rail **1210**, to securely hold the at least one horizontal slidable assembly **1270** against the horizontal rail **1210** and secure the computing device mount **270** at a selected horizontal position; and

such that when the screw **1274** is loosened, the slidable member **1220** can be slidable to permit horizontal adjustment of the computing device mount **270**.

In a related embodiment, as shown in FIG. **13**, the apparatus **100** can further include a shoulder harness **1310**, which can releasably engage with the frame **101**, such that the frame **101** can be wearable and transportable by a user **1300**.

In another related embodiment, as shown in FIGS. **14**A and **14**B, the apparatus **100** can further include:

a) a docking bracket **1400**, which can be connected to a mounting surface **1460**;

such that the docking bracket **1400** can be configured to detachably mount the frame **101** to the mounting surface **1460**.

In a further related embodiment, as shown in FIGS. **15**A, **15**B, **16**A and **16**B, the docking bracket **1400** can include:

a) a first stationary bracket member **1410**, which can be configured to detachably engage with a first side **1462** of the frame **101**, wherein the first stationary bracket member **1410** can be configured to be connected to the mounting surface **1460**, such that the first stationary bracket member **1410** can be firmly mounted on the mounting surface **1460**; and

b) a moveable bracket assembly **1420**, which can be configured to detachably engage with a second side **1464** of the frame **101**, wherein the moveable bracket assembly **1420** can include:

i. a second stationary bracket member **1522**, which can be configured to be detachably connected to the mounting surface **1460**;

ii. a moveable bracket member **1524**; and

iii. a rotatable knob **1526**, which can connect the second stationary bracket member **1522** and the moveable bracket member **1524**, such that the rotatable knob **1526** can be configured to move the moveable bracket member **1524** horizontally laterally **1529** when the rotatable knob **1526** is turned;

such that the frame **101** is positionable between the first stationary bracket member **1410** and the moveable bracket member **1524**;

such that the frame **101** is detachably locked in place between the first stationary bracket member **1410** and the moveable bracket member **1524**, when the rotatable knob **1526** is turned to move the moveable bracket member **1524** laterally inward, toward the frame **101**.

In another related embodiment, as shown in FIG. **17**B, the rotatable knob **1526** can include a threaded end portion **1726**, wherein the moveable bracket member **1524** can include a threaded aperture **1727**, such that the rotatable knob **1526** can be configured to be inserted through an aperture of the second stationary bracket member **1522** and into the threaded aperture **1727** of the moveable bracket member **1524**, such that the threaded end portion **1726** of the rotatable knob **1526** can be configured to move the moveable bracket **1524** horizontally laterally **1529**, when the rotatable knob **1526** is turned.

In a related embodiment, as shown in FIGS. **15**A, **15**B, **16**A and **16**B, the first stationary bracket member **1410** can include:

a) a plurality of first screw apertures **1625**, such that a plurality of mounting screws **1550** can be insertable through the plurality of first screw apertures **1625**, such that the plurality of mounting screws **1550** can screw into the mounting surface **1460**, such that the plurality

of mounting screws **1550** can mount the first stationary bracket member **1410** to the mounting surface **1460**; and

wherein the second stationary bracket member **1522** can include:

b) a plurality of second screw apertures **1525**, such that the plurality of mounting screws **1550** can be insertable through the plurality of second screw apertures **1525**, such that the plurality of mounting screws **1550** can screw into the mounting surface **1460**, such that the plurality of mounting screws **1550** can mount the second stationary bracket member **1522** to the mounting surface **1460**.

In another further related embodiment, as shown in FIGS. **15**A, **15**B, **16**A and **16**B, the first stationary bracket member **1410** can include:

a) at least one first side horizontal protrusion **1618**, wherein an outer end of the first side **1462** of the frame **101** can include at least one first side horizontal notch **1668**, such that the at least one first side horizontal notch **1668** can be configured to receive the at least one first side horizontal protrusion **1618**; and

wherein the moveable bracket member **1524** can include:

b) at least one second side horizontal protrusion **1528**, wherein an outer end of the second side **1464** of the frame **101** can include at least one second side horizontal notch **1568**, such that the at least one second side horizontal notch **1568** can be configured to receive the at least one second side horizontal protrusion **1528**;

whereby the first stationary bracket member **1410** and the moveable bracket assembly **1420** can be mounted to the mounting surface **1460** at a slightly wider distance than a width of the frame **101**, such that when the first side **1462** of the frame **101** is laterally connected **1629** to the first stationary bracket member **1410** the second side **1464** of the frame **101** can be positioned near the moveable bracket member **1524**, such that the rotatable knob **1526** can be turned to move the moveable bracket member **1524** towards the second side **1464** of the frame **101**, such that the at least one second protrusion **1528** can insert (i.e inserts) into the at least once second notch **1568**;

wherein the at least one first side horizontal protrusion **1618**, the at least one second side horizontal protrusion **1528** and the at least one second side horizontal notch **1568** can each be horizontally elongated, such that the at least one first side horizontal protrusion **1618**, the at least one first side horizontal notch **1668**, the at least one second side horizontal protrusion **1528** and the at least one second side horizontal notch **1568** can prevent vertical movement **1440** of the frame **101**, as shown in FIG. **14**A, when the frame **101** is detachably locked in place.

In yet another related embodiment, as shown in FIGS. **15**A, **15**B, **16**A, and **16**B, at least one bracket member **1410**, **1524** or each of the first bracket member **1410** and the moveable bracket member **1524** can further include:

a) a corresponding side front vertical protrusion **1584**, **1682**; and

b) a corresponding side rear vertical protrusion **1585**, **1683**;

wherein the frame **101** further comprises:

a corresponding side front leg structure **284**, **282**; and

a corresponding side rear leg structure **285**, **283**;

such that the corresponding side front vertical protrusion **1584**, **1682** is positionable adjacent to an inner side of the corresponding side front leg structure **284**, **282**;

such that the corresponding side rear vertical protrusion **1585**, **1683** is positionable adjacent to an inner side of the corresponding side rear leg structure **285**, **283**; and

such that horizontal depth movement **1580** of the frame **101** is prevented, when the frame **101** is detachably locked in place.

In a related embodiment, as shown in FIG. **17**B, the moveable bracket member **1524** can include:

a) at least one guiding flange **1741**, which can inwardly protrude from the moveable bracket member **1524**, wherein the second stationary bracket member **1522** can include at least one guiding flange apertures **1742**, which can be configured to receive the at least one guiding flange **1741**, such that the at least one guiding flange **1741** can slide within the at least one guiding flange aperture **1742**, such that the moveable bracket member **1524** can smoothly laterally slide in relation to the second stationary bracket member **1522**.

In another embodiment, the second stationary bracket member **1522** can include a threaded interior, such that the threaded end portion **1726** of the rotatable knob **1526** can be configured to screw through the second stationary bracket member **1522** and fixedly attach to the moveable bracket member **1524**, such that a lateral motion of the rotatable knob **1526** inside the threaded interior of the second stationary bracket member **1522** can laterally move the moveable bracket **1524**.

In some embodiments, the system may utilize a stationary fourth surface affixed to the frame **101**.

In some embodiments, the internal frame **101** can be primarily constructed of carbon fiber and aluminum materials. This provides rigidity while maintaining light weight for portability. To facilitate component swapping or upgrading equipment the frame **101** can be extended in height by replacing the four corner standoffs and their corresponding interior threaded rods.

When in use, the nylon shell surrounds the internal rack frame **101** and acts as a typical location sound bag allowing equipment to be easily transported using the included shoulder strap or optional body harness. When removed, the system is converted to a desk console with a folding kick-stand to elevate the front for enhanced viewing and operations. This also allows users full access to all equipment and connections.

In some embodiments, D-rings and other fastening points of the bag **500** or the internal frame **101** may be suspended by a shoulder strap or a body harness.

In some embodiments, the system is configured to accept an optional integral power distribution device with rechargeable battery and a wire harness that distributes power to the various devices. The battery is mounted on an attached sled/bracket with a built-in power connector that allows one handed removal and replacement from the front of the unit. Particularly, the battery can be mounted as a front-loaded slide-in battery held in place by friction. This is unique in that for all other sound bags, the battery does not have a battery sled/bracket, nor is it fastened securely and requires two hands to remove the battery from its connector.

In some embodiments, a torque hinged panel allows wireless devices with front controls to be viewed and operated at various angles. An optional pair of side wings that are attached to the hinged panel swing out and hold additional wireless equipment at an adjustable angle as well.

In some embodiments, the bag outer shell has a hook-and-loop system to secure a microphone boom pole. An exterior pocket pouch adds additional storage capacity to the travel bag **500**, and can be removed and reattached by use of the hook-and-loop strips.

Many different embodiments have been disclosed herein, in connection with the above description and the drawings. It will be understood that it would be unduly repetitious and obfuscating to describe and illustrate every combination and subcombination of these embodiments. Accordingly, all embodiments can be combined in any way and/or combination, and the present specification, including the drawings, shall be construed to constitute a complete written description of all combinations and subcombinations of the embodiments described herein, and of the manner and process of making and using them, and shall support claims to any such combination or subcombination.

An equivalent substitution of two or more elements can be made for any one of the elements in the claims below or that a single element can be substituted for two or more elements in a claim. Although elements can be described above as acting in certain combinations and even initially claimed as such, it is to be expressly understood that one or more elements from a claimed combination can in some cases be excised from the combination and that the claimed combination can be directed to a subcombination or variation of a subcombination.

It will be appreciated by persons skilled in the art that the present embodiment is not limited to what has been particularly shown and described hereinabove. A variety of modifications and variations are possible in light of the above teachings without departing from the following claims.

Here has thus been described a multitude of embodiments of the apparatus **100**, and methods related thereto, which can be employed in numerous modes of usage.

The many features and advantages of the invention are apparent from the detailed specification, and thus, it is intended by the appended claims to cover all such features and advantages of the invention, which fall within the true spirit and scope of the invention.

Many such alternative configurations are readily apparent, and should be considered fully included in this specification and the claims appended hereto. Accordingly, since numerous modifications and variations will readily occur to those skilled in the art, the invention is not limited to the exact construction and operation illustrated and described, and thus, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.

What is claimed is:

1. An apparatus for carrying sound production components, comprising:

a) a frame;

b) a plurality of mounting structures, which are connected to the frame, such that the mounting structures are vertically interspaced, such that each mounting structure of the mounting structures is configured to releasably engage with a plurality of sound production components; and

c) a computing device mount, which is connected to the frame;

wherein the computing device mount is configured to permit detachable mounting of a computing device;

wherein the frame comprises at least one horizontal column, wherein the computing device mount is slidably connected to the at least one horizontal column with at least one slidable assembly, which comprises:

a connection bracket, which is connected to the computing device mount, such that the connection bracket is slidably connected to the at least one horizontal column.

2. The apparatus of claim **1**, further comprising:

a bag, which is configured to receive the frame and enclose the frame with the plurality of mounting structures and the plurality of sound production components.

3. The apparatus of claim **2**, wherein the bag further comprises a bag body and a cover to enclose the frame and the plurality of sound production components within the bag body.

4. The apparatus of claim **3**, wherein the cover is at least partially constructed of a transparent material to permit a user to view the plurality of sound production components within the bag.

5. The apparatus of claim **3**, wherein the bag further comprises a plurality of compartments positioned on an exterior of the bag body.

6. The apparatus of claim **2**, further comprising:

a) a handle; and

b) at least one handle bracket, which is connected to the frame;

wherein the handle is releasably engaged with the frame via the at least one handle bracket.

7. The apparatus of claim **6**, wherein the handle is pivotably engaged with the at least one handle bracket.

8. The apparatus of claim **6**, wherein the bag is configured to permit the handle to extend to an exterior of the bag, when the frame is positioned in the bag.

9. The apparatus of claim **6**, wherein the handle further comprises:

a telescoping portion, which comprises:

a first elongated member;

a second elongated member; and

a releasable lock;

wherein the telescoping portion is configured to be extendable, such that the first elongated member slides into the second elongated member;

such that when the releasable lock is released, the telescoping portion can be extended, to allow removal of the handle; and

such that when the telescoping portion is shortened, the releasable lock is configured to lock the handle in place on the at least one handle bracket.

10. The apparatus of claim **1**, wherein the frame is rigid.

11. The apparatus of claim **1**, further comprising a folding surface, which is pivotably mounted to a top of the frame, such that the folding surface is configured to be upwards rotatable; such that at least one first sound production component of the plurality of sound production components is attachable to the folding surface when the folding surface is rotated upwards.

12. The apparatus of claim **11**, further comprising at least one wing, which is pivotably mounted to a first side of the folding surface, such that the at least one wing is configured to be outwards pivotable when the folding surface is rotated upwards;

such that the at least one wing is configured to be arrangeable in a folded and an unfolded configuration;

such that at least one second sound production component of the plurality of sound production components is attachable to the at least one wing when the at least one wing is rotated outwards in the unfolded configuration.

13. The apparatus of claim 1, wherein each mounting structure in the plurality of mounting structures further comprises:

a mounting surface.

14. The apparatus of claim 1, wherein the plurality of sound production components comprise at least one of:

a) at least one power distribution system;

b) at least one recorder;

c) at least one audio mixer;

d) at least one audio recorder;

e) at least one battery;

f) at least one wireless radio;

g) at least one audio storage component; and

h) a plurality of cables.

15. The apparatus of claim 1, further comprising:

a support, which is pivotably connected to a bottom of the frame, wherein the support is configured to arrange the frame in a selected position when positioned on a flat surface, wherein the support is configurable in an in-use configuration and a storage configuration.

16. The apparatus of claim 15, wherein the selected position is an upward angled position of the frame when positioned on the flat surface.

17. The apparatus of claim 1, wherein each corresponding mounting structure in the plurality of mounting structures is vertically slidably attached to the frame, such that the mounting structures are vertically adjustable.

18. The apparatus of claim 17, wherein the frame comprises at least one vertical column, wherein each corresponding mounting structure in the plurality of mounting structures is slidably connected to the at least one vertical column with at least one slidable assembly, which comprises:

a connection bracket, which is connected to the corresponding mounting structure, such that the connection bracket is slidably connected to the at least one vertical column.

19. The apparatus of claim 18, wherein the frame comprises four vertical columns positioned in four side corners of the frame; wherein the at least one slidable assembly comprises four slidable assemblies, connected to four corresponding corners of the corresponding mounting structure, such that the corresponding mounting structure is slidably connected to the frame between the four vertical columns.

20. The apparatus of claim 18, wherein the at least one vertical column is configured as a vertical rail, which comprises an elongated interior;

wherein the at least one slidable assembly further comprises:

a) a slidable member, which is slidably inserted into the elongated interior of the vertical rail, such that the slidable member is connected to the connection bracket; and

b) a screw, which is inserted through the connection bracket and screwed into the slidable member;

such that when the screw is tightened, the screw penetrates the slidable member and touches an inner surface of the vertical rail, to securely hold the slidable assembly against the vertical rail and secure the corresponding mounting structure at a selected vertical position; and

such that when the screw is loosened, the slidable member is slidable, to permit vertical adjustment of the corresponding mounting structure.

21. The apparatus of claim 1, wherein the at least one horizontal column is configured as a horizontal rail with an elongated interior;

wherein the at least one slidable assembly further comprises:

a) at least one slidable member, which is slidably inserted into the elongated interior of the horizontal rail, such that the slidable member is connected to the connection bracket; and

b) a screw, which is inserted through the connection bracket and screwed into the slidable member;

such that when the screw is tightened, the screw penetrates the slidable member and touches an inner surface of the horizontal rail, to securely hold the at least one slidable assembly against the horizontal rail and secure the computing device mount at a selected horizontal position; and

such that when the screw is loosened, the slidable member is slidable, to permit horizontal adjustment of the computing device mount.

22. The apparatus of claim 1, further comprising a shoulder harness, which is releasably engaged with the frame, such that the frame is wearable and transportable by a user.

23. The apparatus of claim 1, further comprising:

a docking bracket assembly, which is connected to a mounting surface, wherein the docking bracket assembly comprises:

a first stationary bracket member, which is configured to engage with a first side of the frame, wherein the first stationary bracket member is connected to the mounting surface; and

a moveable bracket assembly, which is configured to engage with a second side of the frame, wherein the moveable bracket assembly comprises:

a second stationary bracket member, which is connected to the mounting surface;

a moveable bracket member; and

a rotatable knob, which connects the second stationary bracket member and the moveable bracket member, such that the rotatable knob is configured to move the moveable bracket member laterally when the rotatable knob is turned;

such that the frame is positionable between the first stationary bracket member and the moveable bracket member;

such that the frame is detachably locked in place between the first stationary bracket member and the moveable bracket member, when the rotatable knob is turned to move the moveable bracket member laterally inward, toward the frame;

such that the docking bracket assembly is configured to detachably mount the frame to the mounting surface.

24. The apparatus of claim 23, wherein the rotatable knob comprises a threaded end portion, wherein the moveable bracket member comprises a threaded aperture, such that the rotatable knob is configured to insert through an aperture of the second stationary bracket member and into the threaded aperture of the moveable bracket member, such that the threaded end portion of the rotatable knob is configured to move the moveable bracket member laterally, when the rotatable knob is turned.

25. The apparatus of claim 23, wherein the first stationary bracket member comprises:

at least one first side horizontal protrusion, wherein an outer end of the first side of the frame comprises at least one first side horizontal notch, such that the at least one first side horizontal notch is configured to receive the at least one first side horizontal protrusion; and

wherein the moveable bracket member comprises:

at least one second side horizontal protrusion, wherein an outer end of the second side of the frame comprises at least one second side horizontal notch, such that the at least one second side horizontal notch is configured to receive the at least one second side horizontal protrusion;

wherein the at least one first side horizontal protrusion, the at least one first side horizontal notch, the at least one second side horizontal protrusion and the at least one second side horizontal notch are each horizontally elongated, such that the at least one first side horizontal protrusion, the at least one first side horizontal notch, the at least one second side horizontal protrusion and the at least one second side horizontal notch prevent vertical movement of the frame, when the frame is detachably locked in place.

26. The apparatus of claim **25**, wherein at least one bracket member of the first stationary bracket member and the moveable bracket member further comprises:

a corresponding side front vertical protrusion; and

a corresponding side rear vertical protrusion;

wherein the frame further comprises:

a corresponding side front leg structure; and

a corresponding side rear leg structure;

such that the corresponding side front vertical protrusion is positionable adjacent to an inner side of the corresponding side front leg structure;

such that the corresponding side rear vertical protrusion is positionable adjacent to an inner side of the corresponding side rear leg structure; and

such that horizontal depth movement of the frame is prevented, when the frame is detachably locked in place.

27. An apparatus for carrying sound production components, comprising:

a) a frame;

b) a plurality of mounting structures, which are connected to the frame, such that the mounting structures are vertically interspaced, such that each mounting structure of the mounting structures is configured to releasably engage with a plurality of sound production components;

c) a bag, which is configured to receive the frame and enclose the frame with the plurality of mounting structures and the plurality of sound production components;

d) a handle, wherein the handle further comprises:

a telescoping portion, which comprises:

a first elongated member;

a second elongated member; and

a releasable lock; and

e) at least one handle bracket, which is connected to the frame;

wherein the handle is releasably engaged with the frame via the at least one handle bracket;

wherein the telescoping portion is configured to be extendable, such that the first elongated member slides into the second elongated member;

such that when the releasable lock is released, the telescoping portion can be extended, to allow removal of the handle; and

such that when the telescoping portion is shortened, the releasable lock is configured to lock the handle in place on the at least one handle bracket.

28. An apparatus for carrying sound production components, comprising:

a) a frame;

b) a plurality of mounting structures, which are connected to the frame, such that the mounting structures are vertically interspaced, such that each mounting structure of the mounting structures is configured to releasably engage with a plurality of sound production components; and

c) a docking bracket assembly, which is connected to a mounting surface, wherein the docking bracket assembly comprises:

a first stationary bracket member, which is configured to engage with a first side of the frame, wherein the first stationary bracket member is connected to the mounting surface; and

a moveable bracket assembly, which is configured to engage with a second side of the frame, wherein the moveable bracket assembly comprises:

a second stationary bracket member, which is connected to the mounting surface;

a moveable bracket member; and

a rotatable knob, which connects the second stationary bracket member and the moveable bracket member, such that the rotatable knob is configured to move the moveable bracket member laterally when the rotatable knob is turned;

such that the frame is positionable between the first stationary bracket member and the moveable bracket member;

such that the frame is detachably locked in place between the first stationary bracket member and the moveable bracket member, when the rotatable knob is turned to move the moveable bracket member laterally inward, toward the frame;

such that the docking bracket assembly is configured to detachably mount the frame to the mounting surface.

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